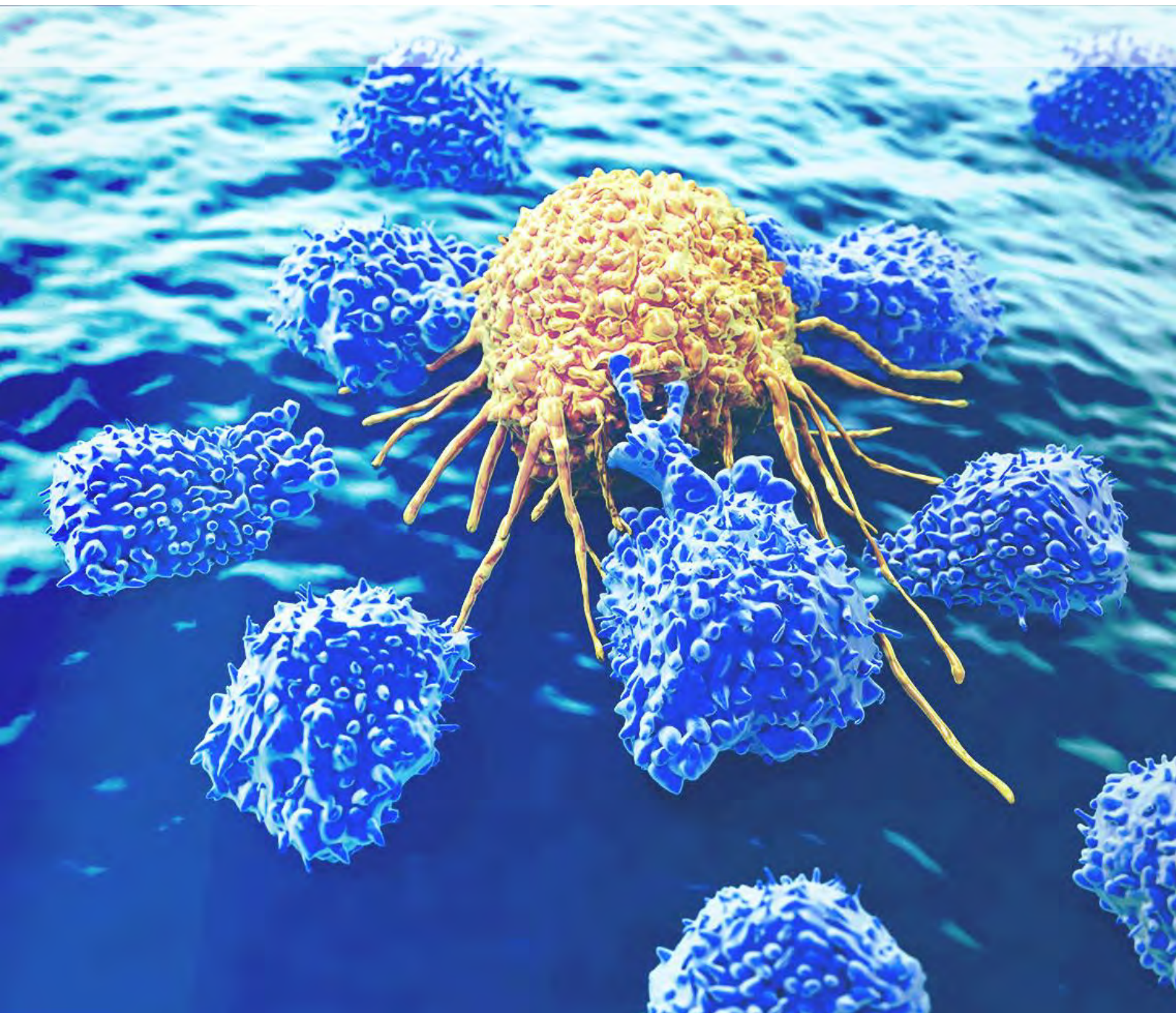


T-Select MHC Tetramer (四聚体) 使用文献一览表



Category1	Category2	Product	Code	PMID	Title	Application
Human	Class I	T-Select HLA-A*02:01 CMV pp65 Tetramer-NLVPMTATV-PE	TS-0010-1C	18677654	Watanabe K, et al., CD137-guided isolation and expansion of antigen-specific CD8 cells for potential use in adoptive immunotherapy. <i>Int J Hematol.</i> 88: 311-320 (2008)	FCM,
				18502825	Sabouri AH, et al., Impaired function of human T-lymphotropic virus type 1 (HTLV-1)-specific CD8+ T cells in HTLV-1-associated neurologic disease. <i>Blood</i> 112: 2411-2420 (2008)	FCM,
			TS-0010-1S	18502825	Sabouri AH, et al., Impaired function of human T-lymphotropic virus type 1 (HTLV-1)-specific CD8+ T cells in HTLV-1-associated neurologic disease. <i>Blood</i> 112: 2411-2420 (2008)	FCM,
				18677654	Watanabe K, et al., CD137-guided isolation and expansion of antigen-specific CD8 cells for potential use in adoptive immunotherapy. <i>Int J Hematol.</i> 88: 311-320 (2008)	FCM,
		T-Select HLA-A*02:01 CMV pp65 Tetramer-NLVPMTATV-APC	TS-0010-2C	18677654	Watanabe K, et al., CD137-guided isolation and expansion of antigen-specific CD8 cells for potential use in adoptive immunotherapy. <i>Int J Hematol.</i> 88: 311-320 (2008)	FCM,
				18502825	Sabouri AH, et al., Impaired function of human T-lymphotropic virus type 1 (HTLV-1)-specific CD8+ T cells in HTLV-1-associated neurologic disease. <i>Blood</i> 112: 2411-2420 (2008)	FCM,
		T-Select HLA-A*24:02 CMV pp65 Tetramer-QYDPVAALF-PE	TS-0020-1C	17156440	Komatsu H et al. Large scale analysis of pediatric antiviral CD8+ T cell populations reveals sustained, functional and mature responses. <i>Immun Ageing</i> 3: 11 (2006)	FCM,
				18830259	Kozako T, et al. PD-1/PD-L1 expression in human T-cell leukemia virus type 1 carriers and adult T-cell leukemia/lymphoma patients. <i>Leukemia</i> 23: 375-382 (2009)	FCM,
				22151736	Takamori A, et al. Functional impairment of Tax-specific but not cytomegalovirus-specific CD8+ T lymphocytes in a minor population of asymptomatic human T-cell leukemia virus type 1-carriers. <i>Retrovirology</i> 8: 100 (2011)	FCM,
				24505299	Ezinne CC, et al. HTLV-1 specific CD8+ T cell function augmented by blockade of 2B4/CD48 interaction in HTLV-1 infection. <i>PLoS One</i> 9: e87631 (2014)	FCM,
				25056373	Koido S, et al. Treatment with chemotherapy and dendritic cells pulsed with multiple Wilms' tumor 1 (WT1)-specific MHC class I/II-restricted epitopes for pancreatic cancer. <i>Clin Cancer Res</i> 20: 4228-4239 (2014, MBL)	FCM,
				25448490	Nakauchi Y, et al. Effective treatment against severe graft-versus-host disease with allele-specific anti-HLA monoclonal antibody in a humanized mouse model. <i>Exp Hematol</i> 43: 79-88 (2015,	FCM,
				27050553	Imamura Y, et al. Generation of Large Numbers of Antigen-Expressing Human Dendritic Cells Using CD14-ML Technology. <i>PLoS ONE</i> 11: e0152384 (2016, MBL)	FCM,
				27619885	Takeda Y, et al. Tumoricidal efficacy coincides with CD11c up-regulation in antigen-specific CD8(+) T cells during vaccine immunotherapy. <i>J Exp Clin Canc Res</i> 35:143 (2016, MBL)	FCM,
				18677654	Watanabe K, et al., CD137-guided isolation and expansion of antigen-specific CD8 cells for potential use in adoptive immunotherapy. <i>Int J Hematol.</i> 88: 311-320 (2008)	FCM,
				T-Select HLA-A*24:02 CMV pp65 Tetramer-QYDPVAALF-APC	TS-0020-2C	18677654
		T-Select HLA-B*07:02 CMV pp65 Tetramer-TPRVTGGGAM-PE	TS-0025-1C	20130059	Celleraï C, et al. Proliferation capacity and cytotoxic activity are mediated by functionally and phenotypically distinct virus-specific CD8 T cells defined by interleukin-7R(α) (CD127) and perforin expression. <i>J Virol</i> 84: 3868-3878 (2010 BCI)	FCM,
				22393125	Odumade OA, et al. Primary Epstein-Barr virus infection does not erode preexisting CD8+ T cell memory in humans. <i>J Exp Med</i> 209: 471-478 (2012 BCI)	FCM,
		T-Select HLA-B*08:01 CMV IE1 Tetramer-ELRRKMMYMP-PE or-APC	TS-0026-1C or-	22393125	Odumade OA, et al. Primary Epstein-Barr virus infection does not erode preexisting CD8+ T cell memory in humans. <i>J Exp Med</i> 209: 471-478 (2012 BCI)	FCM,
		T-Select HLA-B*35:01 CMV pp65 Tetramer-IPSNVHHY-PE or-APC or-BV421	TS-0027-1or-2	22393125	Odumade OA, et al. Primary Epstein-Barr virus infection does not erode preexisting CD8+ T cell memory in humans. <i>J Exp Med</i> 209: 471-478 (2012 BCI)	FCM,
		HLA-A*02:01 EBV LMP2 426-434 Tetramer-CLGGLTMV-PE or-APC	TS-M032-1or-2	27881704	Harada N, et al. Generation of a Novel HLA Class I Transgenic Mouse Model Carrying a Knock-in Mutation at the β2-Microglobulin Locus. <i>J Immunol</i> 198: 516-527 (2017)	FCM,
				27881704	Harada N, et al. Generation of a Novel HLA Class I Transgenic Mouse Model Carrying a Knock-in Mutation at the β2-Microglobulin Locus. <i>J Immunol</i> 198: 516-527 (2017)	FCM,
		HLA-A*24:02 EBV LMP2 131-139 Tetramer-	TS-M034-1	27881704	Harada N, et al. Generation of a Novel HLA Class I Transgenic Mouse Model Carrying a Knock-in Mutation at the β2-Microglobulin Locus. <i>J Immunol</i> 198: 516-527 (2017)	FCM,
		HLA-A*24:02 EBV LMP2 419-427 Tetramer-	TS-M035-1	27872100	Maeda T, et al. Regeneration of CD8αβ T Cells from T-cell-Derived iPSC Imparts Potent Tumor Antigen-Specific Cytotoxicity. <i>Cancer Res</i> 76: 6839-6850 (2016)	FCM,
		T-Select HLA-A*24:02 EBV LMP2 Tetramer-IYVLVMLVL	TS-M001-1	21467545	Sato K, et al., A novel animal model of Epstein-Barr virus-associated hemophagocytic lymphohistiocytosis in humanized mice. <i>Blood</i> 117, 5663-5673 (2011)	FCM,
				18677654	Watanabe K, et al., CD137-guided isolation and expansion of antigen-specific CD8 cells for potential use in adoptive immunotherapy. <i>Int J Hematol.</i> 88, 311-320 (2008)	FCM,
				24714356	Choi BK et al. 4-1BB-based isolation and expansion of CD8+ T cells specific for self-tumor and non-self-tumor antigens for adoptive T-cell therapy. <i>J Immunother</i> 37: 225-236 (2014)LMP2	FCM,
				24462869	Kobayashi E, et al. Retroviral vectors for homologous recombination provide efficient cloning and expression in mammalian cells. <i>Biochem Biophys Res Commun</i> 444: 319-324 (2014)	FCM,
		T-Select HLA-A*24:02 EBV BRLF1 Tetramer-TYPVLEEMF	TS-M002-1	21467545	Sato K, et al., A novel animal model of Epstein-Barr virus-associated hemophagocytic lymphohistiocytosis in humanized mice. <i>Blood</i> 117: 5663-5673 (2011)	FCM,
				18677654	Watanabe K, et al., CD137-guided isolation and expansion of antigen-specific CD8 cells for potential use in adoptive immunotherapy. <i>Int J Hematol.</i> 88: 311-320 (2008)	FCM,
				24462869	Kobayashi E, et al. Retroviral vectors for homologous recombination provide efficient cloning and expression in mammalian cells. <i>Biochem Biophys Res Commun</i> 444: 319-324 (2014)	FCM,
				18830259	Kozako T, et al. PD-1/PD-L1 expression in human T-cell leukemia virus type 1 carriers and adult T-cell leukemia/lymphoma patients. <i>Leukemia</i> 23: 375-382 (2009)	FCM,
				24505299	Ezinne CC, et al. HTLV-1 specific CD8+ T cell function augmented by blockade of 2B4/CD48 interaction in HTLV-1 infection. <i>PLoS One</i> 9: e87631 (2014)	FCM,
				27471640	Murata K, et al. Identification of a novel human memory T-cell population with the characteristics of stem-like chemo-resistance. <i>Oncolmmunol</i> 5: e1165376 (2016)	FCM,
		T-Select HLA-A*24:02 EBV BMLF1 Tetramer-DYNFVKQLF	TS-M003-1	21467545	Sato K, et al., A novel animal model of Epstein-Barr virus-associated hemophagocytic lymphohistiocytosis in humanized mice. <i>Blood</i> 117: 5663-5673 (2011)	FCM,
				18677654	Watanabe K, et al., CD137-guided isolation and expansion of antigen-specific CD8 cells for potential use in adoptive immunotherapy. <i>Int J Hematol.</i> 88: 311-320 (2008)	FCM,
				24462869	Kobayashi E, et al. Retroviral vectors for homologous recombination provide efficient cloning and expression in mammalian cells. <i>Biochem Biophys Res Commun</i> 444: 319-324 (2014)	FCM,
		HLA-B*08:01 EBV BZLF1 190-197 Tetramer-RAKFKQLL-PE or-APC	TS-M036-1or-2	20130059	Celleraï C, et al. Proliferation capacity and cytotoxic activity are mediated by functionally and phenotypically distinct virus-specific CD8 T cells defined by interleukin-7R(α) (CD127) and perforin expression. <i>J Virol</i> 84: 3868-3878 (2010 BCI)	FCM,

Category1	Category2	Product	Code	PMID	Title	Application
		T-Select HLA-A*24:02 EBV EBNA3A Tetramer-RYSIFFDYM	TS-M004-1	20130059	Celleraï C, et al. Proliferation capacity and cytotoxic activity are mediated by functionally and phenotypically distinct virus-specific CD8 T cells defined by interleukin-7R(alpha) (CD127) and perforin expression. <i>J Virol</i> 84: 3868-3878 (2010 BCI)	FCM,
				21467545	Sato K, et al., A novel animal model of Epstein-Barr virus-associated hemophagocytic lymphohistiocytosis in humanized mice. <i>Blood</i> 117: 5663-5673 (2011)	FCM,
				24462869	Kobayashi E, et al. Retroviral vectors for homologous recombination provide efficient cloning and expression in mammalian cells. <i>Biochem Biophys Res Commun</i> 444: 319-324 (2014)	FCM,
		HLA-B*08:01 EBV EBNA3A Tetramer-FLRGRAYGL-PE or-APC	TS-M123-1or-2	20130059	Celleraï C, et al. Proliferation capacity and cytotoxic activity are mediated by functionally and phenotypically distinct virus-specific CD8 T cells defined by interleukin-7R(alpha) (CD127) and perforin expression. <i>J Virol</i> 84: 3868-3878 (2010 BCI)	FCM,
		T-Select HLA-A*24:02 EBV EBNA3B Tetramer-TYSAGIVQI	TS-M005-1	20130059	Celleraï C, et al. Proliferation capacity and cytotoxic activity are mediated by functionally and phenotypically distinct virus-specific CD8 T cells defined by interleukin-7R(alpha) (CD127) and perforin expression. <i>J Virol</i> 84: 3868-3878 (2010 BCI)	FCM,
				21467545	Sato K, et al., A novel animal model of Epstein-Barr virus-associated hemophagocytic lymphohistiocytosis in humanized mice. <i>Blood</i> 117: 5663-5673 (2011)	FCM,
				24462869	Kobayashi E, et al. Retroviral vectors for homologous recombination provide efficient cloning and expression in mammalian cells. <i>Biochem Biophys Res Commun</i> 444: 319-324 (2014)	FCM,
				20615947	Shultz LD, et al., Generation of functional human T-cell subsets with HLA-restricted immune responses in HLA class I expressing NOD/SCID/IL2r gamma(null) humanized mice. <i>PNAS</i> 107:	FCM,
				24121927	Kobayashi E, et al. A new cloning and expression system yields and validates TCRs from blood lymphocytes of patients with cancer within 10 days. <i>Nature Med</i> 19: 1542-1546 (2013)	FCM,
		T-Select HLA-A*02:01 HIV gag Tetramer-SLYNTVATL-	TS-M027-1	26702062	Najima Y et al., Induction of WT1-specific human CD8+ T cells from human HSCs in HLA class I Tg NOD/SCID/IL2rgKO mice. <i>Blood</i> . 127,722-34(2016)	FCM,
		T-Select HLA-A*02:01 HTLV-1 Tax11-19 Tetramer-LLFGYPVYV-PE	TS-M017-1	21851845	Kozako T, et al., Programmed death-1 (PD-1)/PD-1 ligand pathway-mediated immune responses against human T-lymphotropic virus type 1 (HTLV-1) in HTLV-1-associated myelopathy/tropical spastic paraparesis and carriers with autoimmune disorders. <i>Hum Immunol</i> .	FCM,
		T-Select HLA-A*02:01 HTLV-1 Tax11-19 Tetramer-LLFGYPVYV-APC	TS-M017-2	21851845	Kozako T, et al., Programmed death-1 (PD-1)/PD-1 ligand pathway-mediated immune responses against human T-lymphotropic virus type 1 (HTLV-1) in HTLV-1-associated myelopathy/tropical spastic paraparesis and carriers with autoimmune disorders. <i>Hum Immunol</i> .	FCM,
		T-Select HLA-A*24:02 HTLV-1 Tax301-309 Tetramer-SFHSLHLLF-PE	TS-M018-1	21264872	Kozako T, et al., Target epitopes of HTLV-1 recognized by class I MHC-restricted cytotoxic T lymphocytes in patients with myelopathy and spastic paraparesis and infected patients with autoimmune disorders. <i>J. Med. Virol.</i> 83: 501-509 (2011)	FCM,
		T-Select HLA-A*24:02 HTLV-1 Tax301-309 Tetramer-SFHSLHLLF-APC	TS-M018-2	21264872	Kozako T, et al., Target epitopes of HTLV-1 recognized by class I MHC-restricted cytotoxic T lymphocytes in patients with myelopathy and spastic paraparesis and infected patients with autoimmune disorders. <i>J. Med. Virol.</i> 83: 501-509 (2011)	FCM,
		T-Select HLA-A*02:01 HTLV-1 Tax178-186 Tetramer-QLGAFLTNV	TS-M019-1	20647322	Tanaka Y, et al., Single-cell analysis of T-cell receptor repertoire of HTLV-1 Tax-specific cytotoxic T cells in allogeneic transplant recipients with adult T-cell leukemia/lymphoma. <i>Cancer Res.</i> 70: 6181-6192 (2010)	FCM,
		T-Select HLA-A*24:02 HTLV-1 Tax12-20 Tetramer-LFGYPVYV	TS-M020-1	18502825	Sabouri AH, et al., Impaired function of human T-lymphotropic virus type 1 (HTLV-1)-specific CD8+ T cells in HTLV-1-associated neurologic disease. <i>Blood</i> 112: 2411-2420 (2008)	FCM,
		T-Select HLA-A*24:02 HTLV-1 Tax187-195 Tetramer-PYKRIEELL	TS-M021-1	17516523	Akimoto M, et al., Anti-HTLV-1 tax antibody and tax-specific cytotoxic T lymphocyte are associated with a reduction in HTLV-1 proviral load in asymptomatic carriers. <i>J. Med Virol.</i> 79: 977-86 (2007)	FCM,
		T-Select HLA-A*24:02 HTLV-1 Env11-19 Tetramer-	TS-M022-1	17015761	Kozako T, et al., Reduced frequency, diversity, and function of human T cell leukemia virus type 1-specific CD8+ T cell in adult T cell leukemia patients. <i>J. Immunol.</i> 177: 5718-5726 (2006)	FCM,
		HLA-A*02:01 MAGE-A3 271-279 Tetramer-FLWGPRALV-PE	TS-M076-1	12444131	Mantovani S, et al. Dominant TCR-alpha requirements for a self antigen recognition in humans. <i>J Immunol</i> 169: 6253-6260 (2002 BCI)	FCM,
				15173207	Paczesny S, et al. Expansion of melanoma-specific cytolytic CD8+ T cell precursors in patients with metastatic melanoma vaccinated with CD34+ progenitor-derived dendritic cells. <i>J Exp Med</i> 199: 1503-1511 (2004 BCI)	FCM,
		HLA-A*24:02 PBF A24.2 Tetramer-AYRPVSRNI-PE or-APC	TS-M136-1 or-2	27471640	Murata K, et al. Identification of a novel human memory T-cell population with the characteristics of stem-like chemo-resistance. <i>Oncolimmunol</i> 5: e1165376 (2016)	FCM,
		HLA-A*02:01 PR-1 Tetramer-VLQELNVTV-PE	TB-0017-1	16596644	Morita Y, et al., Monitoring of WT1-specific cytotoxic T lymphocytes after allogeneic hematopoietic stem cell transplantation. <i>Int. J. Cancer</i> 119: 1360-1367 (2006)	FCM,
		HLA-A*02:01 PR-1 Tetramer-VLQELNVTV-APC	TB-0017-2	16596644	Morita Y, et al., Monitoring of WT1-specific cytotoxic T lymphocytes after allogeneic hematopoietic stem cell transplantation. <i>Int. J. Cancer</i> 119: 1360-1367 (2006)	FCM,
		T-Select HLA-A*24:02 survivin-2B Tetramer-PE	TS-M025-1	21371173	Kameshima H, et al., Immunogenic enhancement and clinical effect by type-I interferon of anti-apoptotic protein, survivin-derived peptide vaccine, in advanced colorectal cancer patients. <i>Cancer Sci.</i> 102: 1181-1187 (2011)	FCM,
				21143701	Miyazaki A, et al., Phase I clinical trial of survivin-derived peptide vaccine therapy for patients with advanced or recurrent oral cancer. <i>Cancer Sci.</i> 102: 324-329 (2011)	FCM,
		T-Select HLA-A*24:02 survivin-2B Tetramer-AYACNTSTL-APC	TS-M025-2	21371173	Kameshima H, et al., Immunogenic enhancement and clinical effect by type-I interferon of anti-apoptotic protein, survivin-derived peptide vaccine, in advanced colorectal cancer patients. <i>Cancer Sci.</i> 102: 1181-1187 (2011)	FCM,
				21143701	Miyazaki A, et al., Phase I clinical trial of survivin-derived peptide vaccine therapy for patients with advanced or recurrent oral cancer. <i>Cancer Sci.</i> 102: 324-329 (2011)	FCM,
		T-Select HLA-A*24:02 WT1(mutant) Tetramer-CYTWNQMNL-PE	TS-M014-1	20107936	Saitoh A, et al., WT1 peptide vaccination in a CML patient: induction of effective cytotoxic T lymphocytes and significance of peptide administration interval. <i>Med. Oncol.</i> 28: 219-230 (2011)	FCM,
				20364021	Chiba Y, et al., Effects of concomitant temozolomide and radiation therapies on WT1-specific T-cells in malignant glioma. <i>Jpn. J. Clin. Oncol.</i> 40: 395-403 (2010)	FCM,
				20428337	Narita M, et al., WT1 peptide vaccination in combination with imatinib therapy for a patient with CML in the chronic phase. <i>Int J Med Sci.</i> 7: 72-81 (2010)	FCM,
				18192109	Tsuboi A, et al., Wilms tumor gene WT1 peptide-based immunotherapy induced a minimal response in a patient with advanced therapy-resistant multiple myeloma. <i>Int. J. Hematol.</i> 86: 414-	FCM,
				26702062	Najima Y et al., Induction of WT1-specific human CD8+ T cells from human HSCs in HLA class I Tg NOD/SCID/IL2rgKO mice. <i>Blood</i> . 127,722-34(2016)	FCM,
		T-Select HLA-A*24:02 WT1(mutant) Tetramer-CYTWNQMNL-APC	TS-M014-2	20428337	Narita M, et al., WT1 peptide vaccination in combination with imatinib therapy for a patient with CML in the chronic phase. <i>Int J Med Sci.</i> 7: 72-81 (2010)	FCM,
				20107936	Saitoh A, et al., WT1 peptide vaccination in a CML patient: induction of effective cytotoxic T lymphocytes and significance of peptide administration interval. <i>Med. Oncol.</i> 28: 219-230 (2011)	FCM,

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				20364021	Chiba Y, et al., Effects of concomitant temozolomide and radiation therapies on WT1-specific T-cells in malignant glioma. <i>Jpn. J. Clin. Oncol.</i> 40: 395-403 (2010)	FCM,
				18192109	Tsuboi A, et al., Wilms tumor gene WT1 peptide-based immunotherapy induced a minimal response in a patient with advanced therapy-resistant multiple myeloma. <i>Int. J. Hematol.</i> 86: 414-419 (2012)	FCM,
		T-Select HLA-A*02:01 WT1 Tetramer-RMFPNAPYL-PE	TS-M016-1	26702062	Najima Y et al., Induction of WT1-specific human CD8+ T cells from human HSCs in HLA class I Tg NOD/SCID/IL2rgKO mice. <i>Blood.</i> 127,722-34(2016)	FCM,
		HLA-A*02:01 Control Tetramer-ALAAAAAAV-PE	TS-M151-1	18271936	Tsukahara T, et al., Prognostic impact and immunogenicity of a novel osteosarcoma antigen, papillomavirus binding factor, in patients with osteosarcoma. <i>Cancer Sci.</i> 99: 368-375 (2008)	FCM,
				17015761	Kozako T, et al., Reduced frequency, diversity, and function of human T cell leukemia virus type 1-specific CD8+ T cell in adult T cell leukemia patients. <i>J. Immunol.</i> 177: 647-655 (2006)	FCM,
				17516523	Akimoto M, et al., Anti-HTLV-1 tax antibody and tax-specific cytotoxic T lymphocyte are associated with a reduction in HTLV-1 proviral load in asymptomatic carriers. <i>J. Med Virol.</i> 79: 100-105 (2007)	FCM,
				19331215	Akiyama Y, et al., Characterization of a MAGE-1-derived HLA-A24 epitope-specific CTL line from a Japanese metastatic melanoma patient. <i>Anticancer Res.</i> 29: 647-655 (2009)	FCM,
				15676080	Akiyama Y, et al., Clinical response in Japanese metastatic melanoma patients treated with peptide cocktail-pulsed dendritic cells. <i>J. Transl. Med.</i> 3: 4-13 (2005)	FCM,
				26702062	Najima Y et al., Induction of WT1-specific human CD8+ T cells from human HSCs in HLA class I Tg NOD/SCID/IL2rgKO mice. <i>Blood.</i> 127,722-34(2016)	FCM,
		HLA-A*02:01 Control Tetramer-ALAAAAAAV-APC	TS-M151-2	18271936	Tsukahara T, et al., Prognostic impact and immunogenicity of a novel osteosarcoma antigen, papillomavirus binding factor, in patients with osteosarcoma. <i>Cancer Sci.</i> 99: 368-375 (2008)	FCM,
				17015761	Kozako T, et al., Reduced frequency, diversity, and function of human T cell leukemia virus type 1-specific CD8+ T cell in adult T cell leukemia patients. <i>J. Immunol.</i> 177: 5718-5726 (2006)	FCM,
				17516523	Akimoto M, et al., Anti-HTLV-1 tax antibody and tax-specific cytotoxic T lymphocyte are associated with a reduction in HTLV-1 proviral load in asymptomatic carriers. <i>J. Med Virol.</i> 79: 100-105 (2007)	FCM,
				19331215	Akiyama Y, et al., Characterization of a MAGE-1-derived HLA-A24 epitope-specific CTL line from a Japanese metastatic melanoma patient. <i>Anticancer Res.</i> 29: 647-655 (2009)	FCM,
				15676080	Akiyama Y, et al., Clinical response in Japanese metastatic melanoma patients treated with peptide cocktail-pulsed dendritic cells. <i>J. Transl. Med.</i> 3: 4-13 (2005)	FCM,
				26702062	Najima Y et al., Induction of WT1-specific human CD8+ T cells from human HSCs in HLA class I Tg NOD/SCID/IL2rgKO mice. <i>Blood.</i> 127,722-34(2016)	FCM,
		HLA-A*02:01 Control Tetramer-ALAAAAAAV-FITC	TS-M151-3	18271936	Tsukahara T, et al., Prognostic impact and immunogenicity of a novel osteosarcoma antigen, papillomavirus binding factor, in patients with osteosarcoma. <i>Cancer Sci.</i> 99: 368-375 (2008)	FCM,
				17015761	Kozako T, et al., Reduced frequency, diversity, and function of human T cell leukemia virus type 1-specific CD8+ T cell in adult T cell leukemia patients. <i>J. Immunol.</i> 177: 5718-5726 (2006)	FCM,
				17516523	Akimoto M, et al., Anti-HTLV-1 tax antibody and tax-specific cytotoxic T lymphocyte are associated with a reduction in HTLV-1 proviral load in asymptomatic carriers. <i>J. Med Virol.</i> 79: 100-105 (2007)	FCM,
				19331215	Akiyama Y, et al., Characterization of a MAGE-1-derived HLA-A24 epitope-specific CTL line from a Japanese metastatic melanoma patient. <i>Anticancer Res.</i> 29: 647-655 (2009)	FCM,
				15676080	Akiyama Y, et al., Clinical response in Japanese metastatic melanoma patients treated with peptide cocktail-pulsed dendritic cells. <i>J. Transl. Med.</i> 3: 4-13 (2005)	FCM,
				26702062	Najima Y et al., Induction of WT1-specific human CD8+ T cells from human HSCs in HLA class I Tg NOD/SCID/IL2rgKO mice. <i>Blood.</i> 127,722-34(2016)	FCM,
		HLA-A*11:01 Control Tetramer-ATAAAAAAK-PE	TS-M152-1	18271936	Tsukahara T, et al., Prognostic impact and immunogenicity of a novel osteosarcoma antigen, papillomavirus binding factor, in patients with osteosarcoma. <i>Cancer Sci.</i> 99: 368-375 (2008)	FCM,
				17015761	Kozako T, et al., Reduced frequency, diversity, and function of human T cell leukemia virus type 1-specific CD8+ T cell in adult T cell leukemia patients. <i>J. Immunol.</i> 177: 5718-5726 (2006)	FCM,
				17516523	Akimoto M, et al., Anti-HTLV-1 tax antibody and tax-specific cytotoxic T lymphocyte are associated with a reduction in HTLV-1 proviral load in asymptomatic carriers. <i>J. Med Virol.</i> 79: 100-105 (2007)	FCM,
				19331215	Akiyama Y, et al., Characterization of a MAGE-1-derived HLA-A24 epitope-specific CTL line from a Japanese metastatic melanoma patient. <i>Anticancer Res.</i> 29: 647-655 (2009)	FCM,
				15676080	Akiyama Y, et al., Clinical response in Japanese metastatic melanoma patients treated with peptide cocktail-pulsed dendritic cells. <i>J. Transl. Med.</i> 3: 4-13 (2005)	FCM,
				26702062	Najima Y et al., Induction of WT1-specific human CD8+ T cells from human HSCs in HLA class I Tg NOD/SCID/IL2rgKO mice. <i>Blood.</i> 127,722-34(2016)	FCM,
		HLA-A*11:01 Control Tetramer-ATAAAAAAK-APC	TS-M152-2	18271936	Tsukahara T, et al., Prognostic impact and immunogenicity of a novel osteosarcoma antigen, papillomavirus binding factor, in patients with osteosarcoma. <i>Cancer Sci.</i> 99: 368-375 (2008)	FCM,
				17015761	Kozako T, et al., Reduced frequency, diversity, and function of human T cell leukemia virus type 1-specific CD8+ T cell in adult T cell leukemia patients. <i>J. Immunol.</i> 177: 5718-5726 (2006)	FCM,
				17516523	Akimoto M, et al., Anti-HTLV-1 tax antibody and tax-specific cytotoxic T lymphocyte are associated with a reduction in HTLV-1 proviral load in asymptomatic carriers. <i>J. Med Virol.</i> 79: 100-105 (2007)	FCM,
				19331215	Akiyama Y, et al., Characterization of a MAGE-1-derived HLA-A24 epitope-specific CTL line from a Japanese metastatic melanoma patient. <i>Anticancer Res.</i> 29: 647-655 (2009)	FCM,
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				26702062	Najima Y et al., Induction of WT1-specific human CD8+ T cells from human HSCs in HLA class I Tg NOD/SCID/IL2rgKO mice. <i>Blood.</i> 127,722-34(2016)	FCM,
		HLA-A*11:01 Control Tetramer-ATAAAAAAK-FITC	TS-M152-3	18271936	Tsukahara T, et al., Prognostic impact and immunogenicity of a novel osteosarcoma antigen, papillomavirus binding factor, in patients with osteosarcoma. <i>Cancer Sci.</i> 99: 368-375 (2008)	FCM,
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				26702062	Najima Y et al., Induction of WT1-specific human CD8+ T cells from human HSCs in HLA class I Tg NOD/SCID/IL2rgKO mice. <i>Blood.</i> 127,722-34(2016)	FCM,
		HLA-A*24:02 Control Tetramer-AYAAAAAL-PE	TS-M153-1	18271936	Tsukahara T, et al., Prognostic impact and immunogenicity of a novel osteosarcoma antigen, papillomavirus binding factor, in patients with osteosarcoma. <i>Cancer Sci.</i> 99: 368-375 (2008)	FCM,
				17015761	Kozako T, et al., Reduced frequency, diversity, and function of human T cell leukemia virus type 1-specific CD8+ T cell in adult T cell leukemia patients. <i>J. Immunol.</i> 177: 5718-5726 (2006)	FCM,
				17516523	Akimoto M, et al., Anti-HTLV-1 tax antibody and tax-specific cytotoxic T lymphocyte are associated with a reduction in HTLV-1 proviral load in asymptomatic carriers. <i>J. Med Virol.</i> 79: 100-105 (2007)	FCM,

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		HLA-A*24:02 Control Tetramer-AYAAAAAAL-APC	TS-M153-2	18271936	Tsukahara T, et al., Prognostic impact and immunogenicity of a novel osteosarcoma antigen, papillomavirus binding factor, in patients with osteosarcoma. <i>Cancer Sci.</i> 99: 368-375 (2008)	FCM,
				17015761	Kozako T, et al., Reduced frequency, diversity, and function of human T cell leukemia virus type 1-specific CD8+ T cell in adult T cell leukemia patients. <i>J. Immunol.</i> 177: 5718-5726 (2006)	FCM,
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				19331215	Akiyama Y, et al., Characterization of a MAGE-1-derived HLA-A24 epitope-specific CTL line from a Japanese metastatic melanoma patient. <i>Anticancer Res.</i> 29: 647-655 (2009)	FCM,
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		T-Select HLA-A*02:01 Negative Tetramer-PE	TS-0029-1C	16116238	Moran TP, et al. A novel viral system for generating antigen-specific T cells. <i>J Immunol</i> 175: 3431-3438 (2005 BCI)	FCM,
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		T-Select HLA-A*24:02 Negative (HIV env) Tetramer-RYLRDQQLL-PE	TS-M007-1	18271936	Tsukahara T, et al., Prognostic impact and immunogenicity of a novel osteosarcoma antigen, papillomavirus binding factor, in patients with osteosarcoma. <i>Cancer Sci.</i> 99: 368-375 (2008)	FCM,
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		T-Select HLA-A*24:02 Negative (HIV env) Tetramer-RYLRDQQLL-FITC	TS-M007-3	15676080	Akiyama Y, et al., Clinical response in Japanese metastatic melanoma patients treated with peptide cocktail-pulsed dendritic cells. <i>J. Transl. Med.</i> 3: 4-13 (2005)	FCM,
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Mouse	Class I	T-Select H-2Dd BCG MPT51 Tetramer-GGPHAVYLL-PE	TS-M517-1	22945875	Nakagawa Y, et al. Induction of rapid apoptosis for class I MHC molecule-restricted CD8(+) HIV-1 gp160-specific murine activated CTLs by free antigenic peptide in vivo. <i>Int Immunol</i> 25: 11-24	FCM,
		T-Select H-2Db CEA Tetramer-EAQNTTYL-PE	TS-M518-1	15879092	Hodge JW, et al. Multiple costimulatory modalities enhance CTL avidity. <i>J Immunol</i> 174: 5994-6004 (2005, BCI)	FCM,
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		H-2Kd Erk2 K136Q Tetramer-QYIHSA NVL-PE	TS-M545-1	18632650	Nishikawa H, et al., Regulatory T cell-resistant CD8+ T cells induced by glucocorticoid-induced tumor necrosis factor receptor signaling. <i>Cancer Res.</i> 68, 5948-54 (2008)	FCM,
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		H-2Kd Erk2 K136Q Tetramer-QYIHSA NVL-APC	TS-M545-2	9177225	Ikeda H, et al., Mutated mitogen-activated protein kinase: a tumor rejection antigen of mouse sarcoma. <i>Proc Natl Acad Sci U S A.</i> 94, 6375-9. (1997)	FCM,

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		H-2Kb HBV core Tetramer-MGLKFRQL-APC	TS-M537-2	27156385	Tian Y, et al. Maternal-Derived Hepatitis B Virus e Antigen Alters Macrophage Function in Offspring to Drive Viral Persistence after Vertical Transmission. <i>Immunity</i> 44: 1204-1214 (2016)	FCM,
		T-Select H-2Db HPV16 E7 Tetramer-RAHYNIIVTF-PE	TS-5008-1	25483652	Shen K-T, et al. Depletion of tumor-associated macrophages enhances the anti-tumor immunity induced by a Toll-like receptor agonist-conjugated peptide. <i>Hum Vacc Immunother</i> 10: 3241-3250 (2014, MBL)	FCM,
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		T-Select H-2Db Influenza NP Tetramer-ASNENMDTM	TS-M502-1	17878370	Koyama S, et al., Differential role of TLR- and RLR-signaling in the immune responses to influenza A virus infection and vaccination. <i>J. Immunol.</i> 179: 4711-4720 (2007)	FCM,
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		T-Select H-2Db Influenza NP Tetramer-ASNENMDTM-APC	TS-M502-2	17878370	Koyama S, et al., Differential role of TLR- and RLR-signaling in the immune responses to influenza A virus infection and vaccination. <i>J. Immunol.</i> 179: 4711-4720 (2007)	FCM,
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		T-Select H-2Db Influenza NP Tetramer-ASNENMETM	TS-M508-1	20943980	Seo S-U, et al., MyD88 signaling is indispensable for primary influenza A virus infection but dispensable for secondary infection. <i>J. Virol.</i> 84: 12713-12722 (2010)	FCM,
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		T-Select H-2Kd Influenza HA Tetramer-IYSTVASSL	TS-M520-1	20881038	Kayamuro H, et al., Interleukin-1 family cytokines as mucosal vaccine adjuvants for induction of protective immunity against influenza virus. <i>J. Virol.</i> 84: 12703-12712 (2010)	FCM,
		T-Select H-2Kd Influenza HA Tetramer-IYSTVASSL-APC	TS-M520-2	20881038	Kayamuro H, et al., Interleukin-1 family cytokines as mucosal vaccine adjuvants for induction of protective immunity against influenza virus. <i>J. Virol.</i> 84: 12703-12712 (2010)	FCM,
		H-2Db LCMV gp276-286 Tetramer-SGVENPGGYCL-PE	TB-5009-1	25567678	Johnson S, et al. Protective efficacy of individual CD8+ T cell specificities in chronic viral infection. <i>J Immunol</i> 194: 1755-1762 (2015, BCI)	FCM,
		T-Select H-2Db LCMV gp33 (C9M) Tetramer-KAVYNFATM-PE or -APC	TS-M512-1or-2	19252140	Mumprecht S, et al. Defective homing and impaired induction of cytotoxic T cells by BCR/ABL-expressing dendritic cells. <i>Blood</i> 113: 4681-4689 (2009, BCI)	FCM,
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		T-Select H-2Ld MuLV gp70 Tetramer-SPSYVYHQF-PE	TS-M521-1	28787548	Iida Y et al., Contrasting effects of cyclophosphamide on anti-CTL-associated protein 4 blockade therapy in two mouse tumor models. <i>Cancer Sci.</i> 108, 1974-1984 (2017)	FCM,
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	T-Select H-2Kb OVA Tetramer-SIINFELK-APC		TS-5001-2C	21788406	Kurachi S, et al., Chemokine receptor CXCR3 facilitates CD8(+) T cell differentiation into short-lived effector cells leading to memory degeneration. J. Exp. Med. 208: 1605-1620 (2011)	FCM,
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	T-Select H-2Db RSV M187-195 Tetramer-NAITNAKII-PE or-APC		TB-5018-1or-2	29367948	Schwarz B, et al. Viruslike Particles Encapsidating Respiratory Syncytial Virus M and M2 Proteins Induce Robust T Cell Responses. ACS Biomater. Sci. Eng 2: 2324-2332 (2016)	FCM,
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	T-Select H-2Kd RSV M2 Tetramer-SYIGSINNI-PE or-APC		TS-M506-1or-2	29367948	Schwarz B, et al. Viruslike Particles Encapsidating Respiratory Syncytial Virus M and M2 Proteins Induce Robust T Cell Responses. ACS Biomater. Sci. Eng 2: 2324-2332 (2016)	FCM,
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	H-2Db SV40 large T Ag 206-215 Tetramer-SAINNYAQLK-PE		TB-M539-1	25048215	Bunse M, et al. RNAi-mediated TCR knockdown prevents autoimmunity in mice caused by mixed TCR dimers following TCR gene transfer. Mol Ther 22: 1983-1991 (2014, BCI)	FCM,
	T-Select H-2Db WT1 Tetramer-RMFPNAPYL-PE		TS-M504-1	27619885	Takeda Y, et al. Tumoricidal efficacy coincides with CD11c up-regulation in antigen-specific CD8(+) T cells during vaccine immunotherapy. J Exp Clin Canc Res 35:143 (2016, MBL)	FCM,

Category1	Category2	Product	Code	PMID	Title	Application
		T-Select H-2Kb Negative Tetramer-SIYRYGL	TS-M008-1	16415100	Wakita D, et al., An indispensable role of type-1 IFNs for inducing CTL-mediated complete eradication of established tumor tissue by CpG-liposome co-encapsulated with model tumor antigen. <i>Int. Immunol.</i> 18: 425-434 (2006)	FCM,
				16452242	Chamoto K, et al., An essential role of antigen-presenting cell/T-helper type 1 cell-cell interactions in draining lymph node during complete eradication of class II-negative tumor tissue by T-helper type 1 cell therapy. <i>Cancer Res.</i> 66: 1809-1817 (2006)	FCM,
				20008287	Asano J, et al., Nucleotide oligomerization binding domain-like receptor signaling enhances dendritic cell-mediated cross-priming in vivo. <i>J. Immunol.</i> 184: 736-745 (2010)	FCM,
				17109465	Fujimura T, et al. Inhibitory effect of the polyinosinic-polycytidylic acid/cationic liposome on the progression of murine B16F10 melanoma. <i>Eur J Immunol</i> 36: 3371-3380 (2006)	FCM,
		T-Select H-2Kb Negative (SIY) Tetramer-SIYRYGL-APC	TS-M008-2	16415100	Wakita D, et al., An indispensable role of type-1 IFNs for inducing CTL-mediated complete eradication of established tumor tissue by CpG-liposome co-encapsulated with model tumor antigen. <i>Int. Immunol.</i> 18: 425-434 (2006)	FCM,
				16452242	Chamoto K, et al., An essential role of antigen-presenting cell/T-helper type 1 cell-cell interactions in draining lymph node during complete eradication of class II-negative tumor tissue by T-helper type 1 cell therapy. <i>Cancer Res.</i> 66: 1809-1817 (2006)	FCM,
				20008287	Asano J, et al., Nucleotide oligomerization binding domain-like receptor signaling enhances dendritic cell-mediated cross-priming in vivo. <i>J. Immunol.</i> 184: 736-745 (2010)	FCM,
	Class II	I-Ab ESAT-6 1-20 Tetramer-PE	TS-M707-1	26716832	Liao TY, et al., Improving the Immunogenicity of the Mycobacterium bovis BCG Vaccine by Non-Genetic Bacterial Surface Decoration Using the Avidin-Biotin System. <i>PLoS One.</i> 10: e0145833	FCM,
				26716832	Liao TY, et al., Improving the Immunogenicity of the Mycobacterium bovis BCG Vaccine by Non-Genetic Bacterial Surface Decoration Using the Avidin-Biotin System. <i>PLoS One.</i> 10: e0145833	FCM,
		T-Select I-Ab human CLIP103-117 Tetramer-PE	TS-M715-1	26716832	Liao TY, et al., Improving the Immunogenicity of the Mycobacterium bovis BCG Vaccine by Non-Genetic Bacterial Surface Decoration Using the Avidin-Biotin System. <i>PLoS One.</i> 10: e0145833	FCM,
				26716832	Liao TY, et al., Improving the Immunogenicity of the Mycobacterium bovis BCG Vaccine by Non-Genetic Bacterial Surface Decoration Using the Avidin-Biotin System. <i>PLoS One.</i> 10: e0145833	FCM,
		T-Select I-Ab human CLIP103-117 Tetramer-APC	TS-M715-2	26716832	Liao TY, et al., Improving the Immunogenicity of the Mycobacterium bovis BCG Vaccine by Non-Genetic Bacterial Surface Decoration Using the Avidin-Biotin System. <i>PLoS One.</i> 10: e0145833	FCM,
				26716832	Liao TY, et al., Improving the Immunogenicity of the Mycobacterium bovis BCG Vaccine by Non-Genetic Bacterial Surface Decoration Using the Avidin-Biotin System. <i>PLoS One.</i> 10: e0145833	FCM,
T-Select I-Ad human CLIP103-117 Tetramer-PE		TS-M720-1	26716832	Liao TY, et al., Improving the Immunogenicity of the Mycobacterium bovis BCG Vaccine by Non-Genetic Bacterial Surface Decoration Using the Avidin-Biotin System. <i>PLoS One.</i> 10: e0145833	FCM,	
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T-Select I-Ad human CLIP103-117 Tetramer-APC		TS-M720-2	26716832	Liao TY, et al., Improving the Immunogenicity of the Mycobacterium bovis BCG Vaccine by Non-Genetic Bacterial Surface Decoration Using the Avidin-Biotin System. <i>PLoS One.</i> 10: e0145833	FCM,	
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T-Select I-Ab Influenza NP311-325 Tetramer-PE		TS-M716-1	26716832	Liao TY, et al., Improving the Immunogenicity of the Mycobacterium bovis BCG Vaccine by Non-Genetic Bacterial Surface Decoration Using the Avidin-Biotin System. <i>PLoS One.</i> 10: e0145833	FCM,	
			26716832	Liao TY, et al., Improving the Immunogenicity of the Mycobacterium bovis BCG Vaccine by Non-Genetic Bacterial Surface Decoration Using the Avidin-Biotin System. <i>PLoS One.</i> 10: e0145833	FCM,	
T-Select I-Ab Influenza NP311-325 Tetramer-APC	TS-M716-2	26716832	Liao TY, et al., Improving the Immunogenicity of the Mycobacterium bovis BCG Vaccine by Non-Genetic Bacterial Surface Decoration Using the Avidin-Biotin System. <i>PLoS One.</i> 10: e0145833	FCM,		
		26716832	Liao TY, et al., Improving the Immunogenicity of the Mycobacterium bovis BCG Vaccine by Non-Genetic Bacterial Surface Decoration Using the Avidin-Biotin System. <i>PLoS One.</i> 10: e0145833	FCM,		
T-Select I-Ad OVA323-339 Tetramer-PE	TS-M703-1	26716832	Liao TY, et al., Improving the Immunogenicity of the Mycobacterium bovis BCG Vaccine by Non-Genetic Bacterial Surface Decoration Using the Avidin-Biotin System. <i>PLoS One.</i> 10: e0145833	FCM,		
		26716832	Liao TY, et al., Improving the Immunogenicity of the Mycobacterium bovis BCG Vaccine by Non-Genetic Bacterial Surface Decoration Using the Avidin-Biotin System. <i>PLoS One.</i> 10: e0145833	FCM,		
T-Select I-Ad OVA323-339 Tetramer-APC	TS-M703-2	26716832	Liao TY, et al., Improving the Immunogenicity of the Mycobacterium bovis BCG Vaccine by Non-Genetic Bacterial Surface Decoration Using the Avidin-Biotin System. <i>PLoS One.</i> 10: e0145833	FCM,		
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T-Select I-Ab OVA323-339 Tetramer-PE	TS-M710-1	26716832	Liao TY, et al., Improving the Immunogenicity of the Mycobacterium bovis BCG Vaccine by Non-Genetic Bacterial Surface Decoration Using the Avidin-Biotin System. <i>PLoS One.</i> 10: e0145833	FCM,		
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T-Select I-Ab mouse 2W1S Tetramer-PE	TS-M722-1	26716832	Liao TY, et al., Improving the Immunogenicity of the Mycobacterium bovis BCG Vaccine by Non-Genetic Bacterial Surface Decoration Using the Avidin-Biotin System. <i>PLoS One.</i> 10: e0145833	FCM,		
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T-Select I-Ab mouse 2W1S Tetramer-APC	TS-M722-2	26716832	Liao TY, et al., Improving the Immunogenicity of the Mycobacterium bovis BCG Vaccine by Non-Genetic Bacterial Surface Decoration Using the Avidin-Biotin System. <i>PLoS One.</i> 10: e0145833	FCM,		
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CD1d	T-Select Mouse CD1d Tetramer	TS-MCD-1	21391989	Yoshiga Y et al., Activation of natural killer T cells by α -carba-GalCer (RCAI-56), a novel synthetic glycolipid ligand, suppresses murine collagen-induced arthritis. <i>Clin Exp Immunol.</i> 164, 28852174	FCM,	
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			21391989	Yoshiga Y, et al., Activation of natural killer T cells by ??-carba-GalCer (RCAI-56), a novel synthetic glycolipid ligand, suppresses murine collagen-induced arthritis. <i>Clin Exp Immunol.</i> 164: 236-247	FCM,	
Peptide	H-2Kb OVA peptide	TS-5001-P	19801515	Tomala J, et al. In vivo expansion of activated naive CD8+ T cells and NK cells driven by complexes of IL-2 and anti-IL-2 monoclonal antibody as novel approach of cancer immunotherapy. <i>J Immunol</i> 183: 4904-4912 (2009, MBL)	FCM,	
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			27619885	Takeda Y, et al. Tumoricidal efficacy coincides with CD11c up-regulation in antigen-specific CD8(+) T cells during vaccine immunotherapy. <i>J Exp Clin Canc Res</i> 35:143 (2016, MBL)	FCM,	
	H-2Ld MuLV gp70 peptide	TS-M521-P	25105508	Ishihara M, et al. Systemic CD8+ T cell-mediated tumoricidal effects by intratumoral treatment of oncolytic herpes simplex virus with the agonistic monoclonal antibody for murine glucocorticoid-induced tumor necrosis factor receptor. <i>PLoS ONE</i> 9:e104669 (2014)	FCM,	
I-Ab MOG35-55 Peptide	TS-M704-P	25347393	Kobayashi S, et al. The nuclear I κ B family protein I κ BNS influences the susceptibility to experimental autoimmune encephalomyelitis in a murine model. <i>PLoS One</i> 9: e110838 (2014)	FCM,		
Monkey	Class I	Mamu-A*01 SIV gag-Tetramer-CTPYDINQM-PE	TB-5003-1	18390726	Cecchinato V, et al., Immune activation driven by CTLA-4 blockade augments viral replication at mucosal sites in simian immunodeficiency virus infection. <i>J. Immunol.</i> 180: 5439-5447 (2008)	FCM,
				26269172	Jennifer N. Rainho JN, et al. Nef Is Dispensable for Resistance of Simian Immunodeficiency Virus-Infected Macrophages to CD8+ T Cell Killing. <i>J Virol</i> 89: 10625-10636 (2015, MBL)	FCM,
	Mamu-A*01 SIV gag-Tetramer-CTPYDINQM-APC	TB-5003-2	18390726	Cecchinato V, et al., Immune activation driven by CTLA-4 blockade augments viral replication at mucosal sites in simian immunodeficiency virus infection. <i>J. Immunol.</i> 180: 5439-5447 (2008)	FCM,	
			TS-M901-1	19587045	Tsukamoto et al., Impact of Cytotoxic-T-Lymphocyte Memory Induction without Virus-Specific CD4+ T-Cell Help on Control of a Simian Immunodeficiency Virus Challenge in Rhesus Macaques. <i>J. Virol.</i> 83: 9339-9346 (2009)	FCM,
	Mamu-A*90120-5 SIV gag Tetramer-SSVDEQIQW-PE	TS-M901-2	19587045	Tsukamoto et al., Impact of Cytotoxic-T-Lymphocyte Memory Induction without Virus-Specific CD4+ T-Cell Help on Control of a Simian Immunodeficiency Virus Challenge in Rhesus Macaques. <i>J. Virol.</i> 83: 9339-9346 (2009)	FCM,	
Chicken	Class I	BF2*1201 IBDV VP2 Tetramer-ALRPVTLV-PE	TS-M951-1	19587045	Tsukamoto et al., Impact of Cytotoxic-T-Lymphocyte Memory Induction without Virus-Specific CD4+ T-Cell Help on Control of a Simian Immunodeficiency Virus Challenge in Rhesus Macaques. <i>J. Virol.</i> 83: 9339-9346 (2009)	FCM,
				TS-M951-2	19587045	Tsukamoto et al., Impact of Cytotoxic-T-Lymphocyte Memory Induction without Virus-Specific CD4+ T-Cell Help on Control of a Simian Immunodeficiency Virus Challenge in Rhesus Macaques. <i>J. Virol.</i> 83: 9339-9346 (2009)

Category1	Category2	Product	Code	PMID	Title	Application
		BF2*1501 IBV NP Tetramer-WRRQARYK-PE	TS-M952-1	19587045	Tsukamoto et al., Impact of Cytotoxic-T-Lymphocyte Memory Induction without Virus-Specific CD4+ T-Cell Help on Control of a Simian Immunodeficiency Virus Challenge in Rhesus Macaques. <i>J. Virol.</i> 83: 9339-9346 (2009)	FCM,
		BF2*1501 IBV NP Tetramer-WRRQARYK-APC	TS-M952-2	19587045	Tsukamoto et al., Impact of Cytotoxic-T-Lymphocyte Memory Induction without Virus-Specific CD4+ T-Cell Help on Control of a Simian Immunodeficiency Virus Challenge in Rhesus Macaques. <i>J. Virol.</i> 83: 9339-9346 (2009)	FCM,

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