

Flex-T™

MHC Tetramers 四聚體

Flex-T 是我們專為研究特定抗原 T細胞而設計的試劑家族，通過主要組織相容性複合物 (MHC) 四聚體實現。我們提供兩種不同的 Flex-T。UVX 單體為您提供了將任何感興趣的肽載入複合體結合位點的靈活性，方法是使用對紫外線敏感的肽，通過簡單的 ELISA 分析，可以監測肽交換的效率。此外，我們也有提供預先載有與疾病相關或模型抗原肽的單體，例如：SARS-CoV-2 MHC 單體，包括核膜 (nucleocapsid) 或棘突蛋白 (spike protein)。BioLegend 的 Flex-T 試劑以單體形式提供，研究人員可以在準備就緒時構建其 MHC 四聚體複合物，並進行流式細胞術實驗，以檢測具有對感興趣抗原的受體的 T 細胞。

MHC 四聚體的應用

細胞治療研究：T 細胞表面受體 TCR 親和力的研究、抗體篩選研究、T-Cell Receptor-Like Antibodies 篩選

MHC免疫功能研究：利用混合抗原表位片段鑒定 MHC 免疫功能

細胞分選：特异性T細胞高效分選

抗原表位研究：抗原表位短肽親和力的篩選

病毒逃逸研究：病毒逃避免疫機制的研究

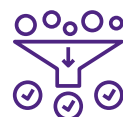
Flex-T™ 技術優勢



實驗設計靈活性高



可搭配多色的螢光組合



具有高通量篩選能力



高專一性



容易操作好上手

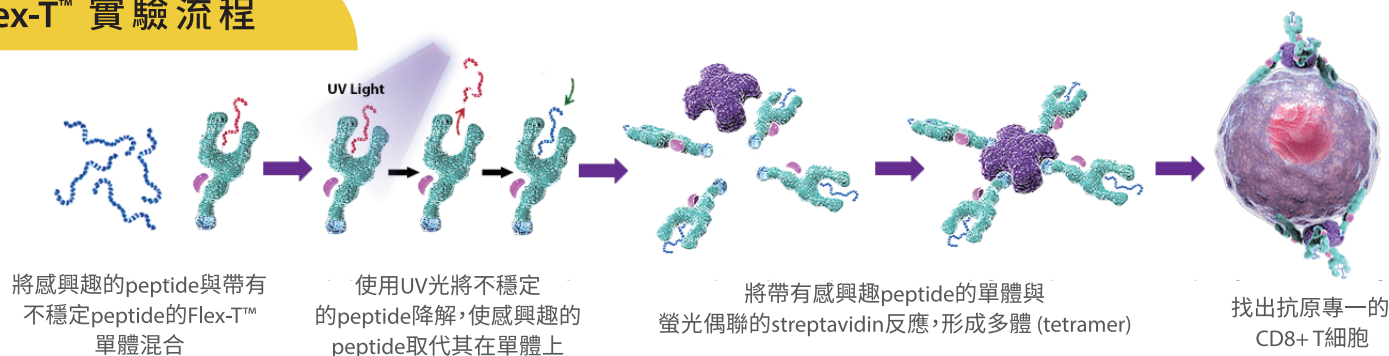


性價比高



SCAN FOR MORE

Flex-T™ 實驗流程



Human Class I Biotinylated Monomer UV-Labile Peptide

Description	Size	Cat. No.
Flex-T HLA-A*01:01 Monomer UVX	50 µg	280001
Flex-T HLA-A*02:01 Monomer UVX	50 µg 200 µg	280003 280004
Flex-T HLA-A*02:03 Monomer UVX	50 µg	280017
Flex-T HLA-A*03:01 Monomer UVX	50 µg	280005
Flex-T HLA-A*11:01 Monomer UVX	50 µg	280007
Flex-T HLA-A*24:02 Monomer UVX	50 µg	280019
Flex-T HLA-B*07:02 Monomer UVX	50 µg	280009
Flex-T HLA-B*08:01 Monomer UVX	50 µg	280011
Flex-T HLA-B*15:01 Monomer UVX	50 µg	280129
Flex-T HLA-C*04:01 Monomer UVX	50 µg	280015
Flex-T HLA-C*07:01 Monomer UVX	50 µg	280133
Flex-T HLA-C*07:02 Monomer UVX	50 µg	280131

Human Class I Biotinylated Monomer SARS-CoV-2 Fixed Peptide

Description	Peptide Region	Cat. No.
Flex-T Biotin HLA-A*01:01 SARS-CoV-2 Monomer (ATSRTLSTYY)	SARS-CoV-2 Membrane Protein	280087
Flex-T Biotin HLA-A*02:01 SARS-CoV-2 Monomer (TLACFLAAV)	SARS-CoV-2 Membrane Protein	280033
Flex-T Biotin HLA-A*03:01 SARS-CoV-2 Monomer (ATSRTLSTYY)	SARS-CoV-2 Membrane Protein	280089
Flex-T Biotin HLA-A*03:01 SARS-CoV-2 Monomer (ATSRTLSTYYK)	SARS-CoV-2 Membrane Protein	280115
Flex-T Biotin HLA-A*11:01 SARS-CoV-2 Monomer (ATSRTLSTYY)	SARS-CoV-2 Membrane Protein	280091
Flex-T Biotin HLA-A*11:01 SARS-CoV-2 Monomer (ATSRTLSTYYK)	SARS-CoV-2 Membrane Protein	280113
Flex-T Biotin HLA-A*02:01 SARS-CoV-2 Monomer (GMSRIGMEV)	SARS-CoV-2 Nucleocapsid	280021
Flex-T Biotin HLA-A*02:01 SARS-CoV-2 Monomer (LLLDRLNQL)	SARS-CoV-2 Nucleocapsid	280023
Flex-T Biotin HLA-A*03:01 SARS-CoV-2 Monomer (ATEGALNTPK)	SARS-CoV-2 Nucleocapsid	280111
Flex-T Biotin HLA-A*03:01 SARS-CoV-2 Monomer (KTFPPTEPK)	SARS-CoV-2 Nucleocapsid	280093
Flex-T Biotin HLA-A*11:01 SARS-CoV-2 Monomer (ATEGALNTPK)	SARS-CoV-2 Nucleocapsid	280109
Flex-T Biotin HLA-A*11:01 SARS-CoV-2 Monomer (KTFPPTEPK)	SARS-CoV-2 Nucleocapsid	280095
Flex-T Biotin HLA-B*07:02 SARS-CoV-2 Monomer (SPRWYFYLL)	SARS-CoV-2 Nucleocapsid	280123
Flex-T Biotin HLA-A*01:01 SARS-CoV-2 Monomer (CTDDNALAY)	SARS-CoV-2 ORF1ab	280085
Flex-T Biotin HLA-A*01:01 SARS-CoV-2 Monomer (PTDNYITTY)	SARS-CoV-2 ORF1ab	280083
Flex-T Biotin HLA-A*01:01 SARS-CoV-2 Monomer (TTDPSPFLGR)	SARS-CoV-2 ORF1ab	280081
Flex-T Biotin HLA-A*02:01 SARS-CoV-2 Monomer (ALWEIQQW)	SARS-CoV-2 ORF1ab	280077
Flex-T Biotin HLA-A*02:01 SARS-CoV-2 Monomer (KLWAQCVQL)	SARS-CoV-2 ORF1ab	280075
Flex-T Biotin HLA-A*03:01 SARS-CoV-2 Monomer (MVTNNTFTLK)	SARS-CoV-2 ORF1ab	280101
Flex-T Biotin HLA-A*03:01 SARS-CoV-2 Monomer (VTDTPKGPK)	SARS-CoV-2 ORF1ab	280107
Flex-T Biotin HLA-A*11:01 SARS-CoV-2 Monomer (MVTNNTFTLK)	SARS-CoV-2 ORF1ab	280103
Flex-T Biotin HLA-A*11:01 SARS-CoV-2 Monomer (VTDTPKGPK)	SARS-CoV-2 ORF1ab	280105
Flex-T Biotin HLA-A*24:02 SARS-CoV-2 Monomer (VYIGDPAQL)	SARS-CoV-2 ORF1ab	280121
Flex-T Biotin HLA-B*07:02 SARS-CoV-2 Monomer (IPRRNVATL)	SARS-CoV-2 ORF1ab	280127
Flex-T Biotin HLA-B*07:02 SARS-CoV-2 Monomer (RPDTRYVL)	SARS-CoV-2 ORF1ab	280125
Flex-T Biotin HLA-A*02:01 SARS-CoV-2 Monomer (LLYDANYFL)	SARS-CoV-2 ORF3a	280079
Flex-T Biotin HLA-A*24:02 SARS-CoV-2 Monomer (VYFLQSINF)	SARS-CoV-2 ORF3a	280119
Flex-T Biotin HLA-A*02:01 SARS-CoV-2 Monomer (ALNLTQKQL)	SARS-CoV-2 Spike Protein	280027
Flex-T Biotin HLA-A*02:01 SARS-CoV-2 Monomer (FIAGLIAIV)	SARS-CoV-2 Spike Protein	280025
Flex-T Biotin HLA-A*02:01 SARS-CoV-2 Monomer (LITGRQLSL)	SARS-CoV-2 Spike Protein	280035
Flex-T Biotin HLA-A*02:01 SARS-CoV-2 Monomer (NLNESLIDL)	SARS-CoV-2 Spike Protein	280037
Flex-T Biotin HLA-A*02:01 SARS-CoV-2 Monomer (RLNEVAKNL)	SARS-CoV-2 Spike Protein	280039
Flex-T Biotin HLA-A*02:01 SARS-CoV-2 Monomer (RLQSLQTYV)	SARS-CoV-2 Spike Protein	280073
Flex-T Biotin HLA-A*02:01 SARS-CoV-2 Monomer (SIIAYTMSL)	SARS-CoV-2 Spike Protein	280067
Flex-T Biotin HLA-A*02:01 SARS-CoV-2 Monomer (VLNDILSRL)	SARS-CoV-2 Spike Protein	280029
Flex-T Biotin HLA-A*02:01 SARS-CoV-2 Monomer (VFLHVTYV)	SARS-CoV-2 Spike Protein	280031
Flex-T Biotin HLA-A*02:01 SARS-CoV-2 Monomer (YLQPRTFLL)	SARS-CoV-2 Spike Protein	280071
Flex-T Biotin HLA-A*03:01 SARS-CoV-2 Monomer (KCYGVSPK)	SARS-CoV-2 Spike Protein	280097
Flex-T Biotin HLA-A*11:01 SARS-CoV-2 Monomer (KCYGVSPK)	SARS-CoV-2 Spike Protein	280099
Flex-T Biotin HLA-A*24:02 SARS-CoV-2 Monomer (QYIKWPWYI)	SARS-CoV-2 Spike Protein	280117

Mouse Class I Biotinylated Monomer Fixed Peptide

Description	Peptide Region	Cat. No.
Flex-T Biotin H-2 D(b) Flu Monomer (ASNENMETM)	Flu Nucleocapsid	280045
Flex-T Biotin H-2 D(b) Flu Monomer (SLENFRAYV)	Flu Polymerase Acidic Protein	280047
Flex-T Biotin H-2 D(b) HPV16 Monomer (RAHYNIVTF)	HPV16 E7 Protein	280065
Flex-T Biotin H-2 D(b) LCMV Monomer (FQPQNGQFI)	LCMV Nucleocapsid	280041
Flex-T Biotin H-2 D(b) LCMV Monomer (KAVYNFATC)	LCMV Glycoprotein Polyprotein	280043
Flex-T Biotin H-2 K(b) LCMV Monomer (ISHNFCNL)	LCMV Glycoprotein Polyprotein	280049
Flex-T Biotin H-2 D(b) PMV Monomer (GAPRNFELF)	PMV Nucleocapsid	280059
Flex-T Biotin H-2 K(b) OVA Monomer (SIINFELK)	Chicken Ovalbumin Model Peptide	280051
Flex-T Biotin H-2 K(b) Sendai Monomer (FAPGNYPAL)	Sendai Nucleocapsid	280055
Flex-T Biotin H-2 K(b) TRP2 Monomer (SVYDFVWL)	Tyrosinase Related Protein 2	280061
Flex-T Biotin H-2 K(b) VV Monomer (TSYKFESV)	Vaccinia virus protein B8 precursor	280053
Flex-T Biotin H-2 K(d) EGFP Monomer (HYLSTQSAL)	Green Fluorescent Protein	280057
Flex-T Biotin H-2 K(d) HIV Monomer (AMQMLKETI)	HIV Gag Protein	280063

ELISA Reagents

Description	Size	Cat. No.
Flex-T HLA Class I ELISA Control	20 µg	280301
LEGEND MAX™ Flex-T Human Class I Peptide Exchange ELISA Kit	1 Pre-coated Plate	447207

