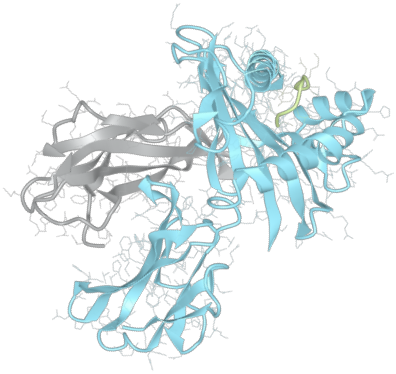
HLA Protein
PURE PROTEIN LLC

Product datasheet



sHLA–A*01:01

A*0101, A0101, A*01, A01, A1

Serological Name	A1
Peptide Load	Endogenous
Modification	Unmodified
Conjugation	Unconjugated
SKU	A0101

Product Description

Allele Name	A*01:01 B2m
HLA Class	HLA Class I
HLA Gene Locus	HLA-A
Alternative Allele Name A Chain	A*0101, A0101, A*01, A01, A1
Alternative Allele Name B Chain	–
Description	Recombinant, truncated Class I soluble Human Leukocyte Antigen (sHLA), naturally folded and glycosylated, loaded with endogenous peptides.
Serological Name	A1
Serological Split	–
Bw4/Bw6 Assignment	–
Bw4/Bw6 Sequence	–
Allele Frequency [World Population]	
A chain	7.10%
B chain	–

Associated products

A0101bio
A0101pe

Product Specification

Product name	HLA-A*01:01
HLA Species	Human
Host Cell Line Species	Human
Clone Designation	D8B5
Tail Specification	VLDL
Peptide Load	Endogenous
Modification	Unmodified
Conjugation	Unconjugated
Complexity	Monomer
Protein Format	Recombinant, truncated, soluble, non-modified, non-labeled, endogenously loaded
Storage Temperature	4˚C (This product should be stored undiluted)
Form	Liquid
Concentration	1000.0 µg/µl
Formulation	PBS/0.02% Sodium Azide
pH	7.4
Purification Method	Affinity Chromatography
Grade	Research Use Only [RUO]
Authentication Verification	Seqence Based Typing

Protein Sequences

Alpha Chain Sequence	GSHSMRYFFT SVSRPGRGEP RFIAVGYVDD TQFVRFDSDA ASQKMEPRAP WIEQEGPEYW DQETRNMKAH SQTDRANLGT LRGYYNQSED GSHTIQIMYG CDVGPDGRFL RGYRQDAYDG KDYIALNEDL RSWTAADMAA QITKRKWEAV HAAEQRRVYL EGRCVDGLRR YLENGKETLQ RTDPPKTHMT HHPISDHEAT LRCWALGFYP AEITLTWQRD GEDQTQDTEL VETRPAGDGT FQKWAAVVVP SGEEQRYTCH VQHEGLPKPL TLRSVVSTDD DLA
Beta Chain Sequence	IQRTPKIQVY SRHPAENGKS NFLNCYVSGF HPSDIEVDLL KNGERIEKVE HSDLSFSKDW SFYLLYYTEF TPTEKDEYAC RVNHVTLSQP KIVKWDRDM

Related Products

A3601
A0201
A0301
B0702

HLA Protein

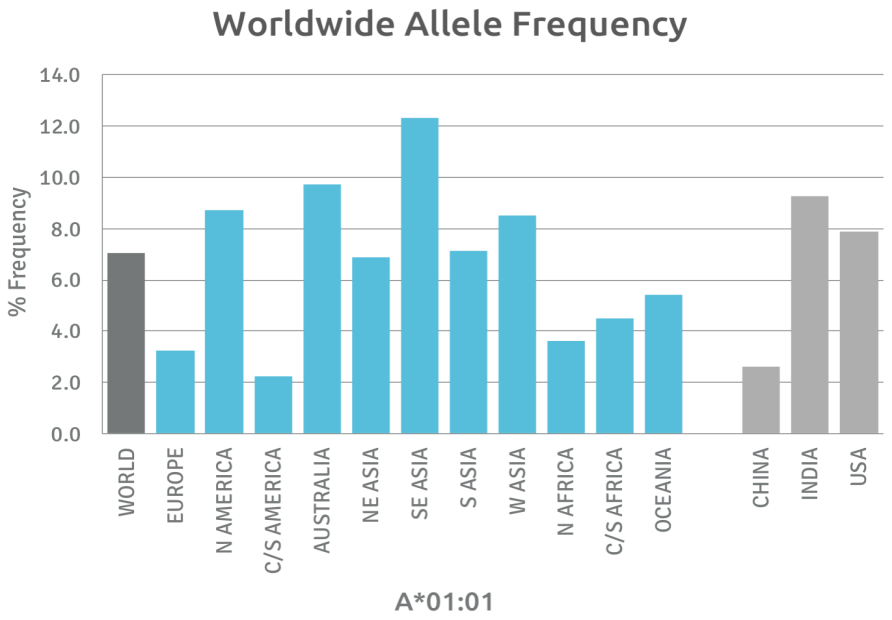
Applications

HLA Sandwich ELISAs
HLA Direct ELISAs
HLA-Sera Antibody Assays
HLA Controls in ELISA Assays
HLA Assay Standards
HLA Blocking Assays
HLA Neutralizing Assays
HLA Competition Assays
HLA Bead Assays
HLA Immunization Procedures

Recommended Antibodies

W6/32
Anti-B2m

Allele Frequency



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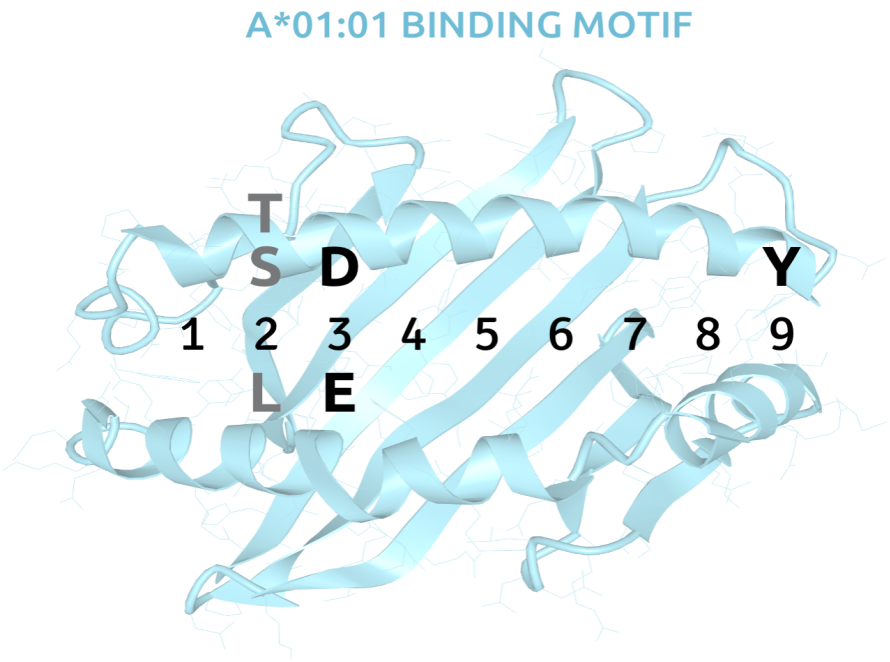
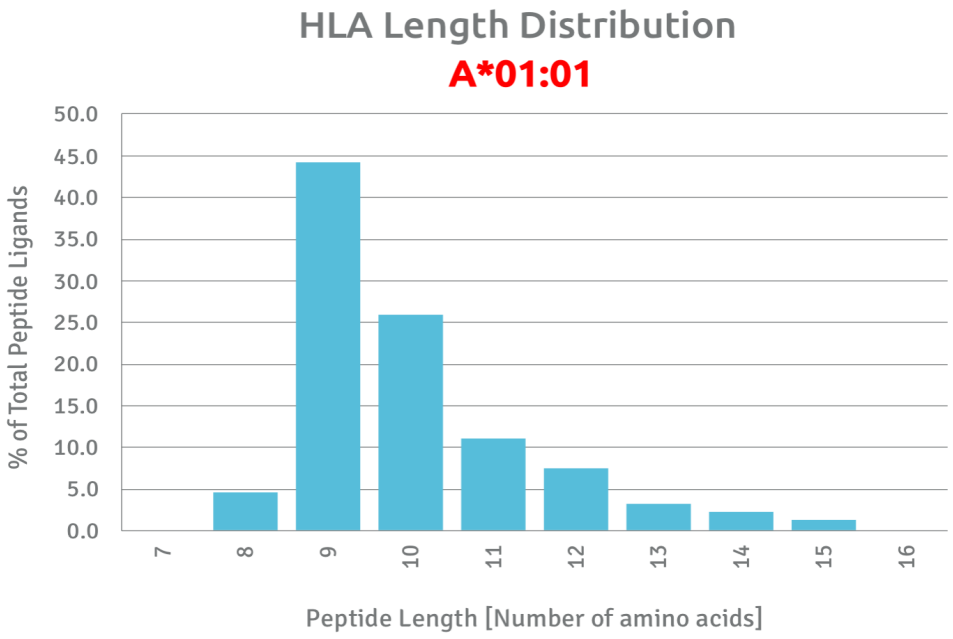
HLA Protein

Motif



Length Distribution



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HLA Protein

Eplet Assignments A*01:01

Eplet	Polymorphic Residues	Antibody Reactivity
9F	9F	
44KM	44K45M(149A150V1 51H152A)(158V)	Yes
62QE	62Q63E	Yes
65RA	65R69A	
65RNA	65R66N69A	Yes
66N	66N	
66NH	66N70H	
66NM	66N67M	
71HS	70H71S	
76ANT	76A77N80T	Yes
77N	77N	
77NGT	77N79G80T	
79GT	79G80T	Yes
80T	80T	
80TL	80T81L	
90D	90D	Yes
95I	95I	
97I	97I	
99Y	99Y	
109F	109F	
114R	114R	
116D	116D	
138MI	138M142I	Yes
144K	144K	Yes
144KR	144K145R	Yes
149AH	149A151H	
151H	151H	
152A	152A	
152HA	151H152A	
156R	156R	
163R	163R	Yes
163RG	163R167G	Yes
166DG	166D167G	Yes
193PI	193P194I	
275EL	275E276L	

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