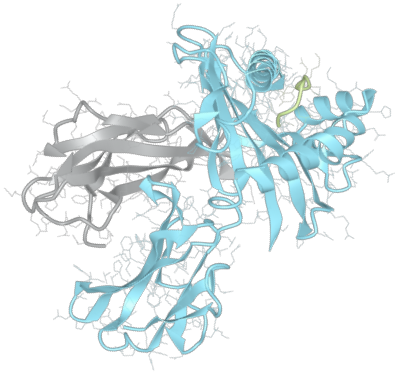
HLA Protein
PURE PROTEIN LLC

Product datasheet



sHLA-B*15:02bio

B*1502, B1502, B*15, B15, B75

Serological Name	B75
Peptide Load	Endogenous
Modification	Unmodified
Conjugation	Biotin
SKU	B1502bio

Product Description

Allele Name	B*15:02 B2m
HLA Class	HLA Class I
HLA Gene Locus	HLA-B
Alternative Allele Name A Chain	B*1502, B1502, B*15, B15, B75
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	B75
Serological Split	B15
Bw4/Bw6 Assignment	Bw6
Bw4/Bw6 Sequence	SLRNLRG
Allele Frequency [World Population]	
A chain	2.8%
B chain	–

Associated products

B1502
B1502pe

HLA Protein

Product Specification

Product name	HLA-B*15:02bio
HLA Species	Human
Host Cell Line Species	Human
Clone Designation	E2D7
Tail Specification	VLDL
Peptide Load	Endogenous
Modification	Unmodified
Conjugation	Biotin
Complexity	Monomer
Protein Format	Recombinant, truncated, soluble, non-modified, biotinylated, endogenously loaded
Storage Temperature	4˚C (This product should be stored undiluted)
Form	Liquid
Concentration	300.0 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	GSHSMRYFYT AMSRPGRGEP RFIAVGYVDD TQFVRFDSDA ASPRMAPRAP WIEQEGPEYW DRNTQISKTN TQTYRESLRN LRGYYNQSEA GSHIIQRMYG CDVGPDGRLL RGYDQSAYDG KDYIALNEDL SSWTAADTAA QITQRKWEAA REAEQLRAYL EGLCVEWLRR YLENGKETLQ RADPPKTHVT HHPISDHEAT LRCWALGFYP AEITLTWQRD GEDQTQDTEL VETRPAGDRT FQKWAAVVVP SGEEQRYTCH VQHEGLPKPL TLRSVVSTDD DLA
Beta Chain Sequence	IQRTPKIQVY SRHPAENGKS NFLNCYVSGF HPSDIEVDLL KNGERIEKVE HSDLSFSKDW SFYLLYYTEF TPTEKDEYAC RVNHVTLSQP KIVKWDRDM

Related Products

B1508bio
A0201bio
A0301bio
B0702bio

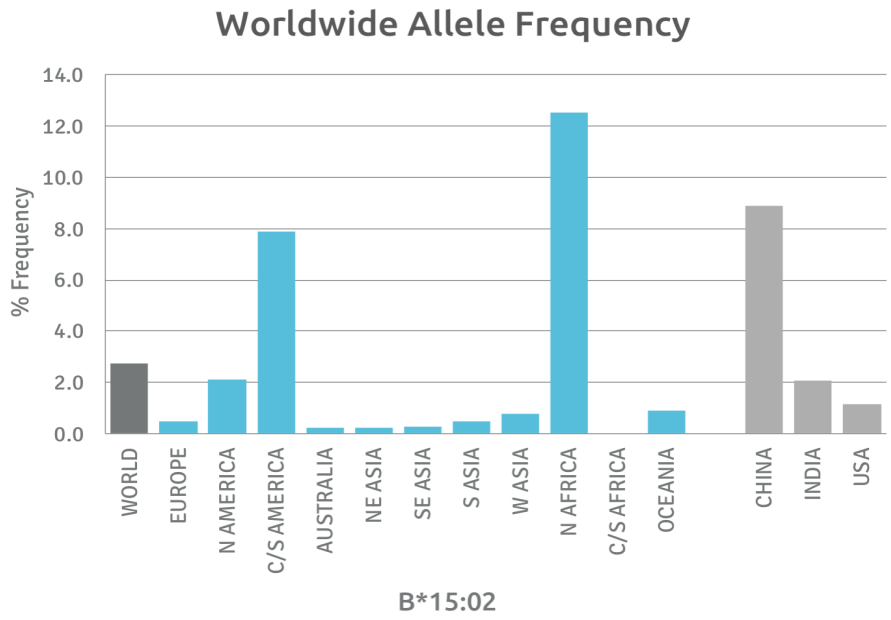
Applications

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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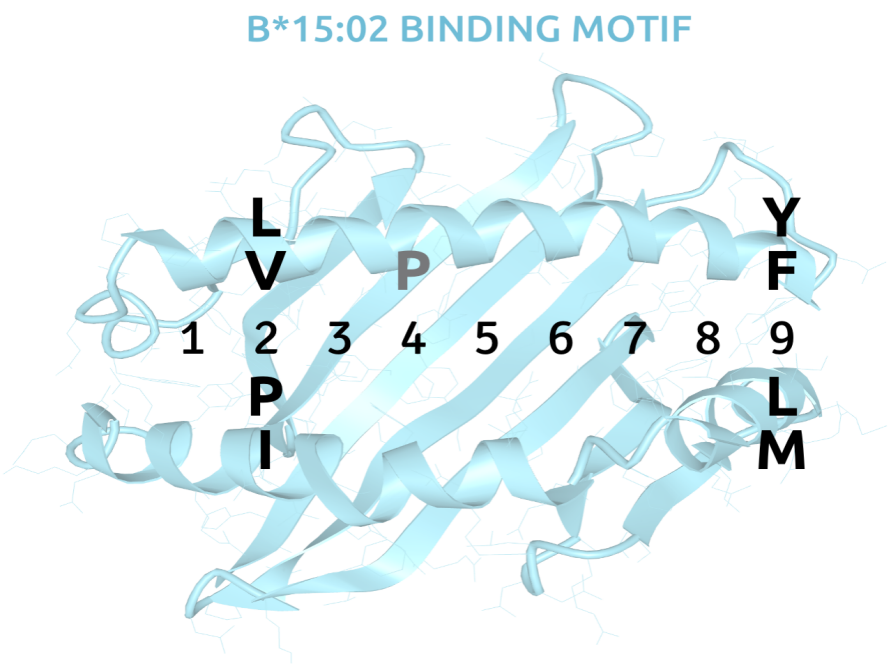
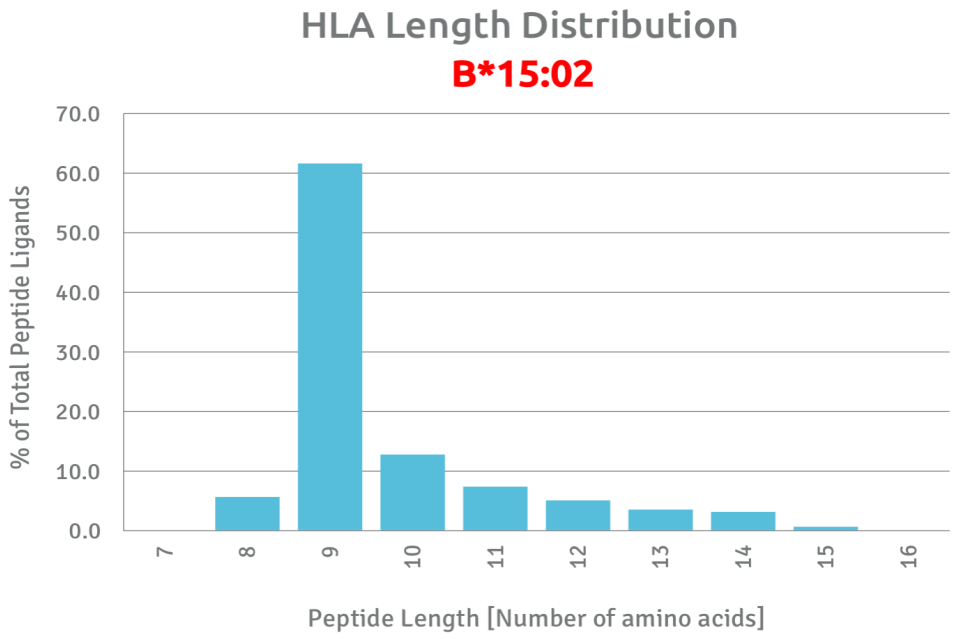
Motif



Length Distribution



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Eplet Assignments B*15:02

Eplet	Polymorphic Residues	Antibody Reactivity
9Y	9Y	
12M	12M	
44RM	44R45M	
44RMA	44R45M46A	Yes
62RN	62R63N	
63NI	63N66I	
66I	66I	
66IS	66I67S	
69TNT	69T70N71T	Yes
71TTS	71T73T77S	Yes
74Y	74Y	
76ES	76E77S	
76ESN	76E77S80N	Yes
77S	77S	
77SRN	77S79R80N	
80N	80N	Yes
94I	94I	
95I	95I	
97R	97R	
99Y	99Y	
113YD	113Y114D	
116S	116S	
131S	131S	Yes
152E	152E	
152RE	151R152E	
156L	156L	
163L	163L	
163LE	163L166E	
163LW	163L167W	Yes
193PI	193P194I	