

Product datasheet

sHLA-B*58:01

B*5801, B5801, B*58, B58, B58



Serological Name	B58
Peptide Load	Endogenous
Modification	Unmodified
Conjugation	Unconjugated
SKU	B5801

Product Description

Allele Name	B*58:01 B2m
HLA Class	HLA Class I
HLA Gene Locus	HLA-B
Alternative Allele Name A Chain	B*5801, B5801, B*58, B58, B58
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	B58
Serological Split	B17
Bw4/Bw6 Assignment	Bw4
Bw4/Bw6 Sequence	NLRIALR
Allele Frequency [World Population]	
A chain	3.6%
B chain	-

Associated products

[B5801bio](#)
[B5801pe](#)

Product Specification

Product name	HLA-B*58:01
HLA Species	Human
Host Cell Line Species	Human
Clone Designation	B11C5
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/ml
Formulation	PBS/0.02% Sodium Azide
pH	7.4
Purification Method	Affinity Chromatography
Grade	Research Use Only [RUO]
Authentication Verification	Sequence Based Typing

Protein Sequences

Alpha Chain Sequence	GSHSMRYFYT AMSRPGRGEP RFIAVGYVDD TQFVRFSDSA ASPRTEPRAP WIEQEGPEYW DGETRNMKAS AQTYRENLRI ALRYYNQSEA GSHIIQRMYG CDLGPDRLL RGHDQSAYDG KDYIALNEDL SSWTAADTAA QITQRKWEAA RVAEQLRAYL EGLCWEVLRRL YLENGKETLQ RADPPKTHVT HHPVSDHEAT LRCWALGFYP AEITLTWQRD GEDQTQDTEL VETRPAGDRD FQKWAAVVVP SGEEQRYTCH VQHEGLPKPL TLRVSVSTDD DLA
Beta Chain Sequence	IQRTPKIQVY SRHPAENGKS NFLNCYVSGF HPSDIEVDLL KNGERIEKVE HSDLSFSKDW SFYLLYYTEF TPTEKDEYAC RVNHVTLSPQ KIVKWDRDM

Related Products

[B5802](#)
[A0201](#)
[A0301](#)
[B0702](#)

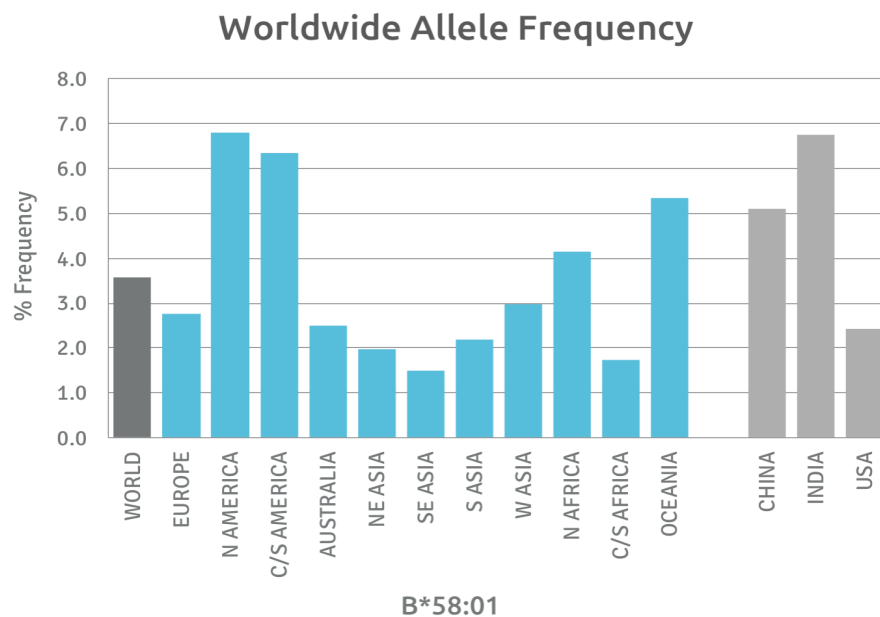
Applications

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



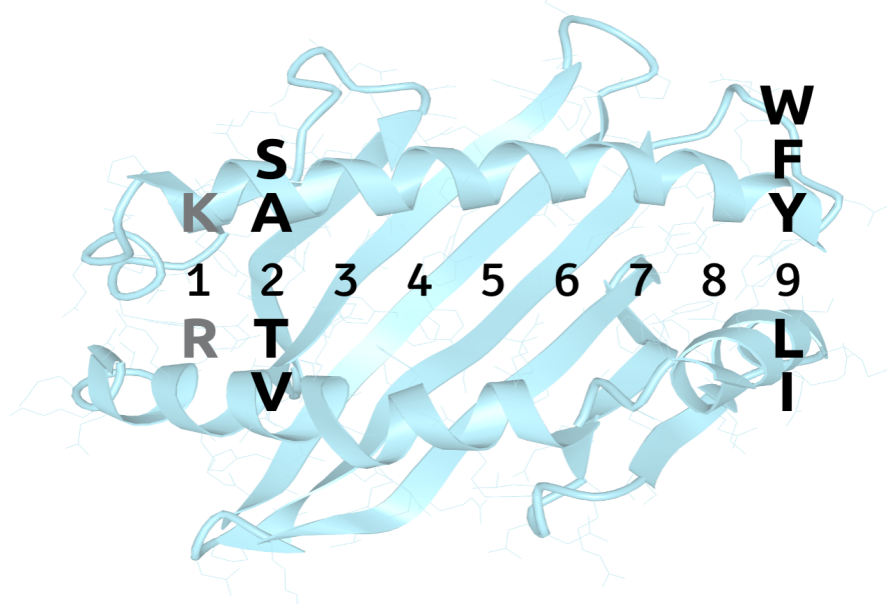
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 HLA Protein
PURE PROTEIN, LLC

Motif

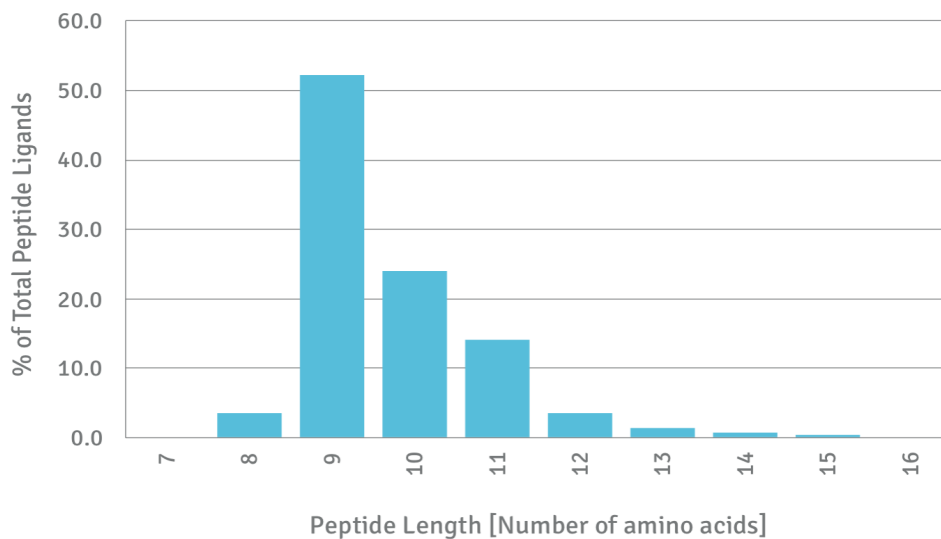
B*58:01 BINDING MOTIF



Length Distribution

HLA Length Distribution

B*58:01



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Eplet Assignments

B*58:01

Eplet	Polymorphic Residues	Antibody Reactivity
9Y	9Y	
12M	12M	
44RT	44R45T	Yes
62GE	62G63E	Yes
62GRN	62G65R66N	Yes
65RA	65R69A	
65RNA	65R66N69A	Yes
66N	66N	
66NM	66N67M	
69AA	69A71A	Yes
71SA	70S71A	Yes
74Y	74Y	
76EN	76E77N	
77N	77N	
80I	80I	Yes
81ALR	81A82L83R	
82LR	82L83R	Yes
94I	94I	
95I	95I	
97R	97R	
99Y	99Y	
103L	103L	
113H	113H	
113HD	113H114D	
116S	116S	
131S	131S	Yes
151ARV	150A151R152V	
152V	152V	
156L	156L	
163L	163L	
163LE	163L166E	
163LW	163L167W	Yes
193PV	193P194V	Yes
194V	194V	