

# Product datasheet

## sHLA-B\*57:01

B\*5701, B5701, B\*57, B57, B57



<b>Serological Name</b>	B57
<b>Peptide Load</b>	Endogenous
<b>Modification</b>	Unmodified
<b>Conjugation</b>	Unconjugated
<b>SKU</b>	B5701

### Product Description

<b>Allele Name</b>	B*57:01 B2m
<b>HLA Class</b>	HLA Class I
<b>HLA Gene Locus</b>	HLA-B
<b>Alternative Allele Name A Chain</b>	B*5701, B5701, B*57, B57, B57
<b>Alternative Allele Name B Chain</b>	-

**Description** Recombinant, truncated Class I soluble Human Leukocyte Antigen (sHLA), naturally folded and glycosylated, loaded with endogenous peptides.

<b>Serological Name</b>	B57
<b>Serological Split</b>	B17
<b>Bw4/Bw6 Assignment</b>	Bw4
<b>Bw4/Bw6 Sequence</b>	NLRIALR
<b>Allele Frequency [World Population]</b>	
<b>A chain</b>	2.2%
<b>B chain</b>	-

### Associated products

[B5701bio](#)  
[B5701pe](#)

## Product Specification

<b>Product name</b>	HLA-B*57:01
<b>HLA Species</b>	Human
<b>Host Cell Line Species</b>	Human
<b>Clone Designation</b>	B3A7
<b>Tail Specification</b>	VLDL
<b>Peptide Load</b>	Endogenous
<b>Modification</b>	Unmodified
<b>Conjugation</b>	Unconjugated
<b>Complexity</b>	Monomer
<b>Protein Format</b>	Recombinant, truncated, soluble, non-modified, non-labeled, endogenously loaded
<b>Storage Temperature</b>	4 °C (This product should be stored undiluted)
<b>Form</b>	Liquid
<b>Concentration</b>	1000.0 µg/µl
<b>Formulation</b>	PBS/0.02% Sodium Azide
<b>pH</b>	7.4
<b>Purification Method</b>	Affinity Chromatography
<b>Grade</b>	Research Use Only [RUO]
<b>Authentication Verification</b>	Sequence Based Typing

## Protein Sequences

<b>Alpha Chain Sequence</b>	GSHSMRYFYT AMSRPGRGEP RFIAVGYVDD TQFVRFSDSA ASPRMAPRAP WIEQEGPEYW DGETRNMKAS AQTYRENLRI ALRYYNQSEA GSHIIQVMYG CDVGPDRLL RGHDQSAYDG KDYIALNEDL SSWTAADTAA QITQRKWEAA RVAEQLRAYL EGLCWEVLRRL YLENGKETLQ RADPPKTHVT HHPISDHEAT LRCWALGFYP AEITLTWQRD GEDQTQDTEL VETRPAGDR FQKWAAVVVP SGEEQRYTCH VQHEGLPKPL TLRVSVSTDD DLA
<b>Beta Chain Sequence</b>	IQRTPKIQVY SRHPAENGKS NFLNCYVSGF HPSDIEVDLL KNGERIEKVE HSDLSFSKDW SFYLLYYTEF TPTEKDEYAC RVNHVTLSPQ KIVKWDRDM

## Related Products

[B5702](#)  
[B5703](#)  
[A0201](#)  
[B0702](#)

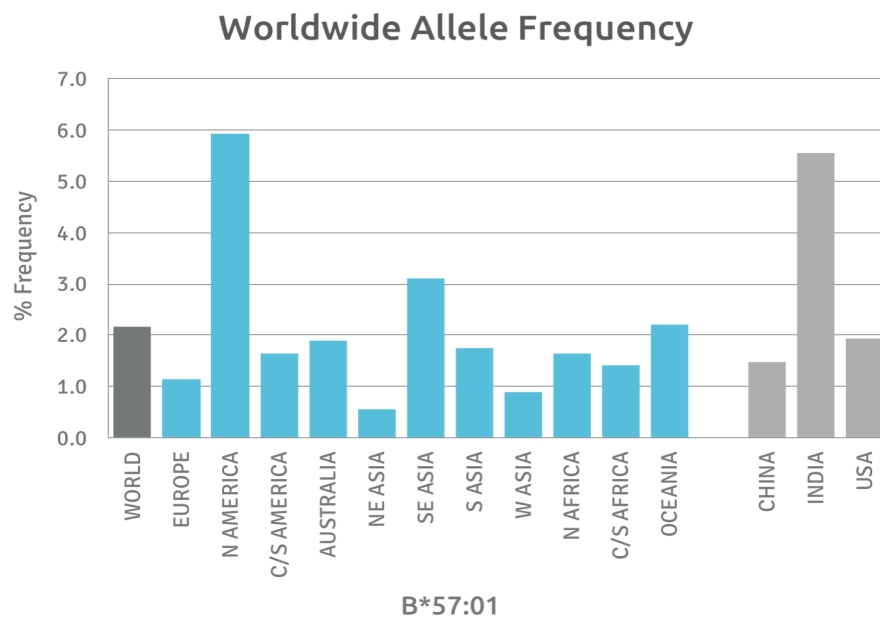
## Applications

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



Please note:

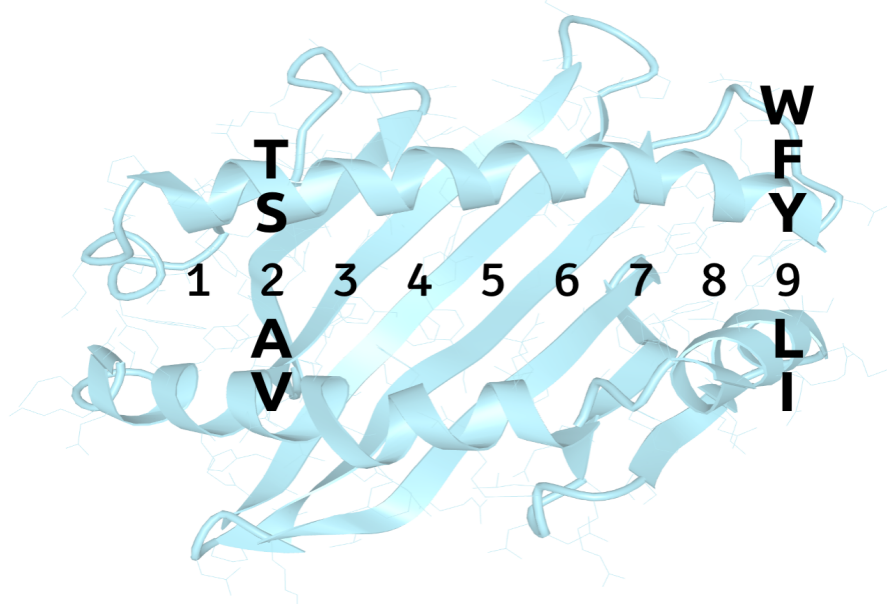
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 HLA Protein  
PURE PROTEIN, LLC

## Motif

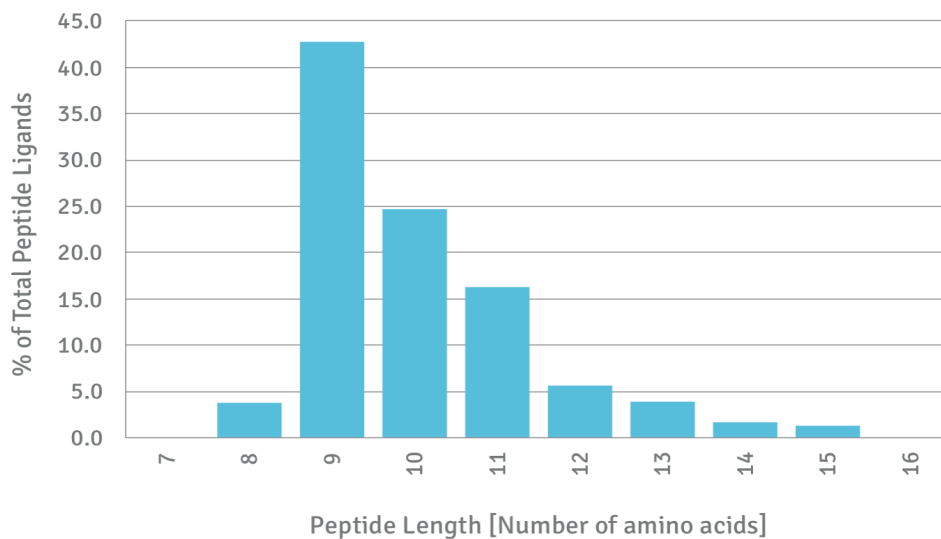
### B\*57:01 BINDING MOTIF



## Length Distribution

### HLA Length Distribution

**B\*57:01**



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# Eplet Assignments

B\*57:01

Eplet	Polymorphic Residues	Antibody Reactivity
9Y	9Y	
12M	12M	
44RM	44R45M	
44RMA	44R45M46A	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	
97V	97V	
99Y	99Y	
113H	113H	
113HD	113H114D	
116S	116S	
131S	131S	Yes
151ARV	150A151R152V	
152V	152V	
156L	156L	
163L	163L	
163LE	163L166E	
163LW	163L167W	Yes
193PI	193P194I	