

Product datasheet

sHLA-B*07:03

B*0703, B0703, B*07, B07, B703



Serological Name	B703
Peptide Load	Endogenous
Modification	Unmodified
Conjugation	Unconjugated
SKU	B0703

Product Description

Allele Name	B*07:03 B2m
HLA Class	HLA Class I
HLA Gene Locus	HLA-B
Alternative Allele Name A Chain	B*0703, B0703, B*07, B07, B703
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	B703
Serological Split	B7
Bw4/Bw6 Assignment	Bw6
Bw4/Bw6 Sequence	SLRNLRG
Allele Frequency [World Population]	
A chain	0.1%
B chain	-

Associated products

[B0703bio](#)
[B0703pe](#)

Product Specification

Product name	HLA-B*07:03
HLA Species	Human
Host Cell Line Species	Human
Clone Designation	A6/C9
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 SVSRPGRGEP RFIISVGYVDD TQFVRFSDSA ASPREEPRAP WIEQEGPEYW DRNTQIYKTN TQTDRESLRN LRGYYNQSEA GSHTLQSMYG CDVGPDRLL RGHQYAYDG KDYIALNEDL RSWTAADTAA QITQRKWEAA REAEQRRAYL EGECVEWLR R YLENGKDKLE RADPPKTHVT HHPISDHEAT LRCWALGFYP AEITLTWQRD GEDQTQDTEL VETRPAGDRT FQKWAAVVVP SGEEQRYTCH VQHEGLPKPL TLRVSVSTDD DLA
Beta Chain Sequence	IQRTPKIQVY SRHPAENGKS NFLNCYVSGF HPSDIEVDLL KNGERIEKVE HSDLSFSKDW SFYLLYYTEF TPTEKDEYAC RVNHVTLSP KIVKWRDRM

Related Products

[B2701](#)
[B2703](#)
[B2705](#)
[A0101](#)

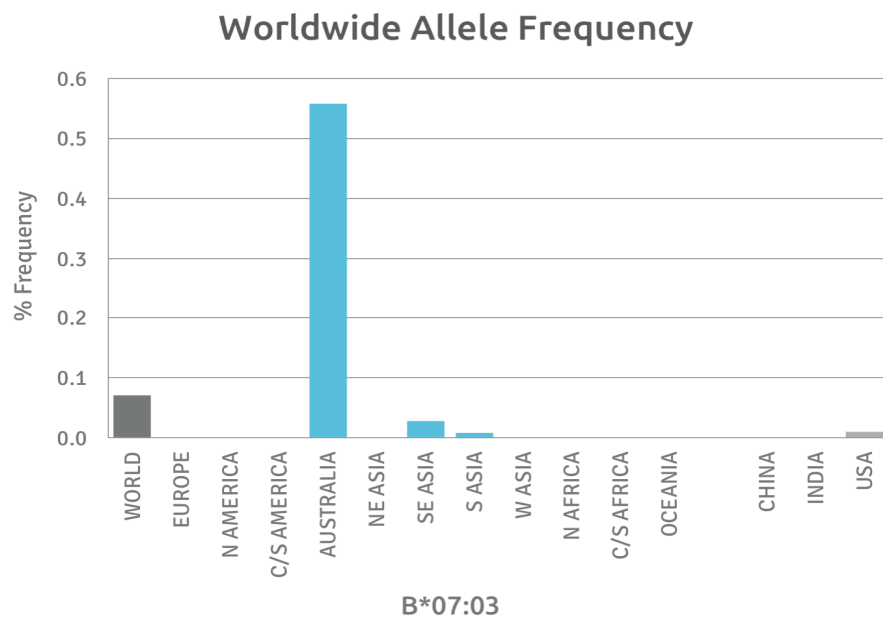
Applications

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:

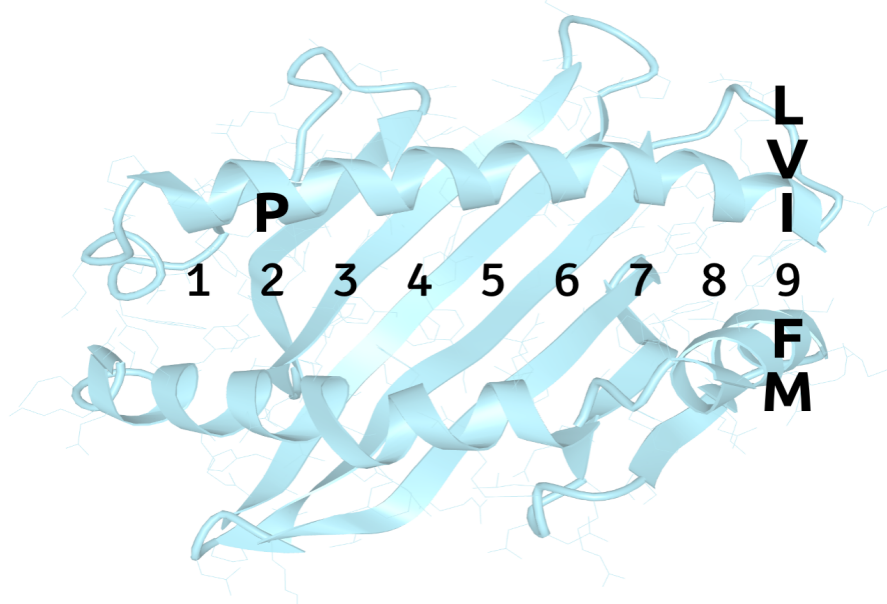
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licensing@hlaprotein.com

 HLA Protein
PURE PROTEIN, LLC

Motif

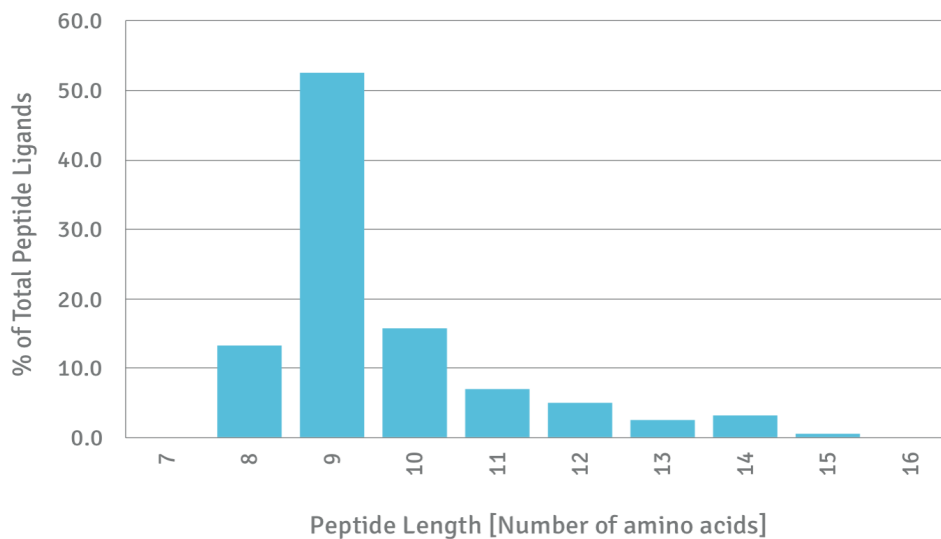
B*07:03 BINDING MOTIF



Length Distribution

HLA Length Distribution

B*07:03



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Eplet Assignments

B*07:03

Eplet	Polymorphic Residues	Antibody Reactivity
9Y	9Y	
24S	24S	
45EE	45E46E	
62RN	62R63N	
63NI	63N66I	
66I	66I	
66IY	66I67Y	
69TNT	69T70N71T	Yes
71TTS	71T73T77S	Yes
76ES	76E77S	
76ESN	76E77S80N	Yes
77S	77S	
77SRN	77S79R80N	
80N	80N	Yes
95L	95L	
97S	97S	
99Y	99Y	
113H	113H	
113HD	113H114D	
116Y	116Y	
152E	152E	
152RE	151R152E	
156R	156R	
156RA	156R158A	
163E	163E	
163EW	163E167W	Yes
177DK	177D178K	
180E	180E	Yes
193PI	193P194I	