

Product datasheet



sHLA-C*01:02bio

Cw*01:02, Cw*0102, C*0102, C0102
Cw0102, C*01, C01, Cw*01, Cw01, Cw1

Serological Name	Cw1
Peptide Load	Endogenous
Modification	Unmodified
Conjugation	Biotin
SKU	C0102bio

Product Description

Allele Name	C*01:02 B2m
HLA Class	HLA Class I
HLA Gene Locus	HLA-C
Alternative Allele Name A Chain	Cw*01:02, Cw*0102, C*0102, C0102, Cw0102, C*01, C01, Cw*01, Cw01, Cw1
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	Cw1
Serological Split	-
Bw4/Bw6 Assignment	Bw6
Bw4/Bw6 Sequence	SLRNLRG
Allele Frequency [World Population]	
A chain	8.2%
B chain	-

Associated products

[C0102](#)
[C0102pe](#)

Product Specification

Product name	HLA-C*01:02bio
HLA Species	Human
Host Cell Line Species	Human
Clone Designation	E2C10
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	Sequence Based Typing

Protein Sequences

Alpha Chain Sequence	CSHSMKYFFT SVSRPGRGEP RFIISVGYVDD TQFVRFSDSA ASPRGEPRAP WVEQEGPEYW DRETQKYKRQ AQTDRVSLRN LRGYYNQSEA GSHTLQWMCG CDLGPDGRLR RGYDQYAYDG KDYIALNEDL RSWTAADTAA QITQRKWEAA REAEQRRAYL EGTCVEWLR R YLENGKETLQ RAEHPKTHVT HHPVSDHEAT LRCWALGFYP AEITLTWQWD GEDQTQDTEL VETRPAGDGT FQKWAAMVVP SGEEQRYTCH VQHEGLPEPL TLRVSVSTDD DLA
Beta Chain Sequence	IQRTPKIQVY SRHPAENGKS NFLNCYVSGF HPSDIEVDLL KNGERIEKVE HSDLSFSKDW SFYLLYYTEF TPTEKDEYAC RVNHVTL SQP KIVKWDRDM

Related Products

[A0201bio](#)
[A0301bio](#)
[A2402bio](#)
[B0702bio](#)

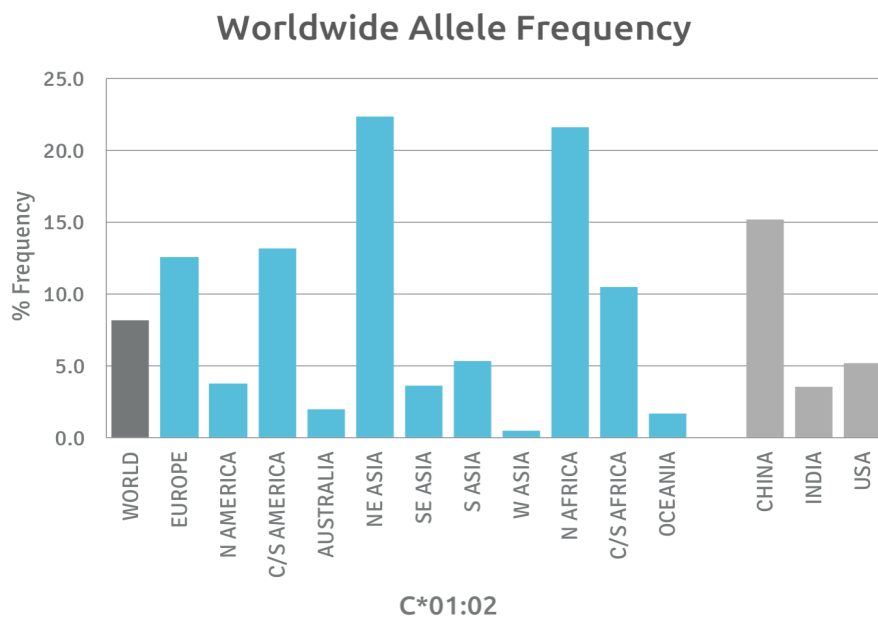
Applications

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



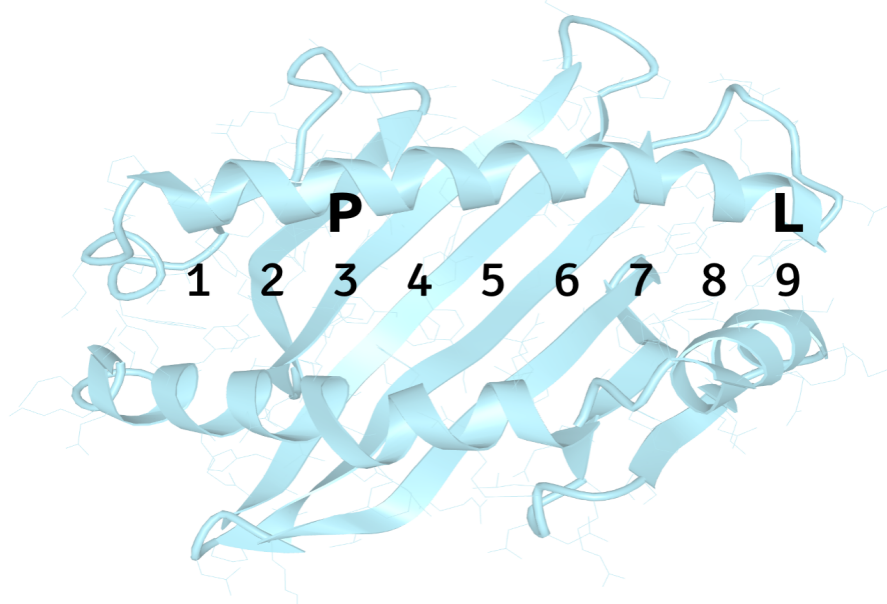
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Motif

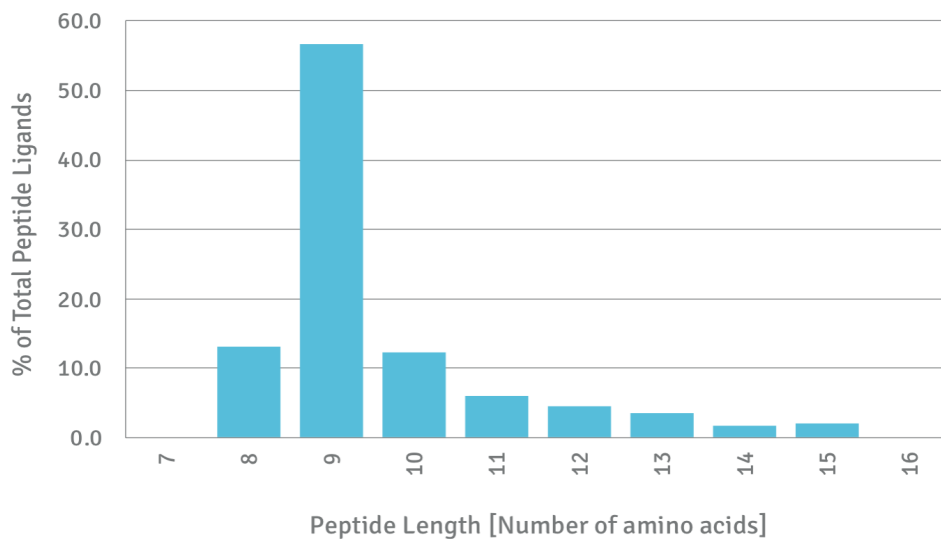
C*01:02 BINDING MOTIF



Length Distribution

HLA Length Distribution

C*01:02



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Eplet	Polymorphic Residues	Antibody Reactivity
1C	1C	
9F	9F	
24S	24S	
65QKR	65Q66K69R	Yes
66K	66K	
69RT	69R73T	
73TVS	73T76V77S	Yes
76VRN	76V79R80N	Yes
76VS	76V77S	
77S	77S	
77SRN	77S79R80N	
80N	80N	Yes
95L	95L	
97W	97W	
103L	103L	
113YD	113Y114D	
116Y	116Y	
152E	152E	
152RE	151R152E	
156R	156R	
156RA	156R158A	
163T	163T	
184H	184H	
193PV	193P194V	Yes
194V	194V	
219W	219W	Yes
248M	248M(6K)(99C)	Yes