

Product datasheet



sHLA-B*44:02bio

B*4402, B4402, B*44, B44, B44

Serological Name	B44
Peptide Load	Endogenous
Modification	Unmodified
Conjugation	Biotin
SKU	B4402bio

Product Description

Allele Name	B*44:02 B2m
HLA Class	HLA Class I
HLA Gene Locus	HLA-B
Alternative Allele Name A Chain	B*4402, B4402, B*44, B44, B44
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	B44
Serological Split	B12
Bw4/Bw6 Assignment	Bw4
Bw4/Bw6 Sequence	NLRTALR
Allele Frequency [World Population]	
A chain	3.2%
B chain	-

Associated products

[B4402](#)
[B4402pe](#)

Product Specification

Product name	HLA-B*44:02bio
HLA Species	Human
Host Cell Line Species	Human
Clone Designation	C5D2
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	GSHSMRYFYT AMSRPGRGEP RFITVGYVDD TLFVRFDSDA TSPRKEPRAP WIEQEGPEYW DRETQISKTN TQTYRENLR T ALRYYNQSEA GSHIIQRMYG CDVGPDRLL RGYDQDAYDG KDYIALNEDL SSWTAADTAA QITQRKWEAA RVAEQDRAYL EGLCVESLRR YLENGKETLQ RADPPKTHVT HHPISDHEVT LRCWALGFYP AEITLTWQRD GEDQTQDTEL VETRPAGDR T FQKWAAVVVP SGEEQRYTCH VQHEGLPKPL TLRVSVSTDD DLA
Beta Chain Sequence	IQRTPKIQVY SRHPAENGKS NFLNCYVSGF HPSDIEVDLL KNGERIEKVE HSDLSFSKDW SFYLLYYTEF TPTEKDEYAC RVNHVTL SQP KIVKWRDRM

Related Products

[B4403bio](#)
[A0201bio](#)
[A0301bio](#)
[B0702bio](#)

Applications

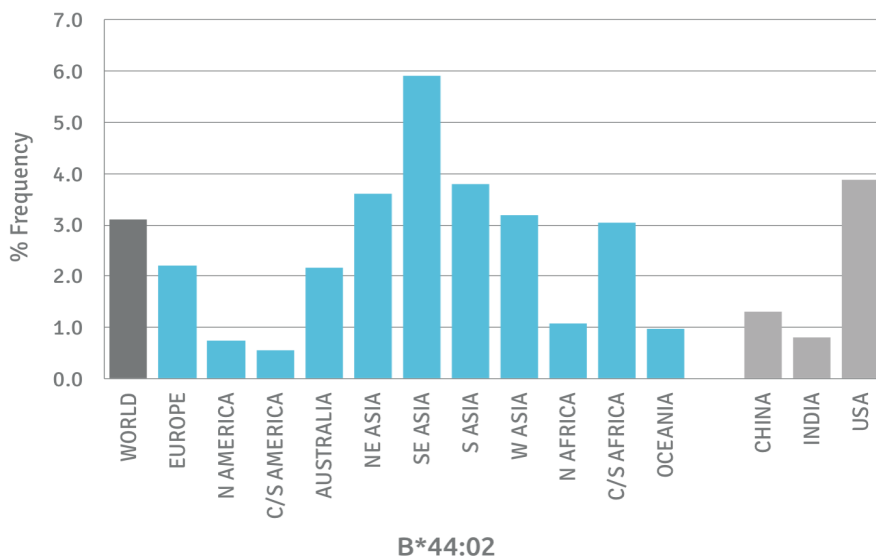
HLA Sandwich ELISAs
 HLA Direct ELISAs
 HLA-Sera Antibody Assays
 HLA Controls in ELISA Assays
 HLA Assay Standards
 HLA Blocking Assays
 HLA Neutralizing Assays
 HLA Competition Assays
 HLA Bead Assays
 HLA Immunization Procedures

Recommended Antibodies

W6/32
 Anti-B2m

Allele Frequency

Worldwide Allele Frequency



Please note:

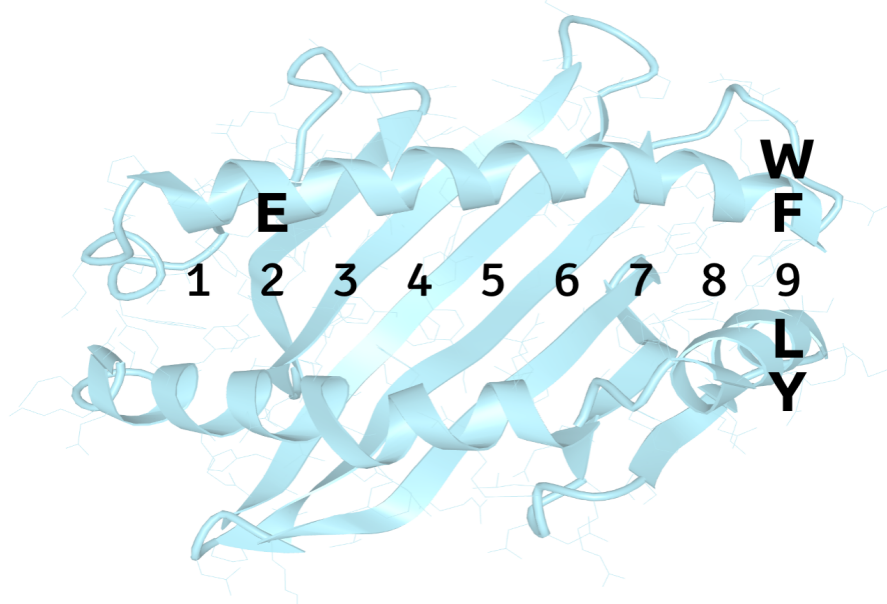
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HLA Protein
 PURE PROTEIN, LLC

Motif

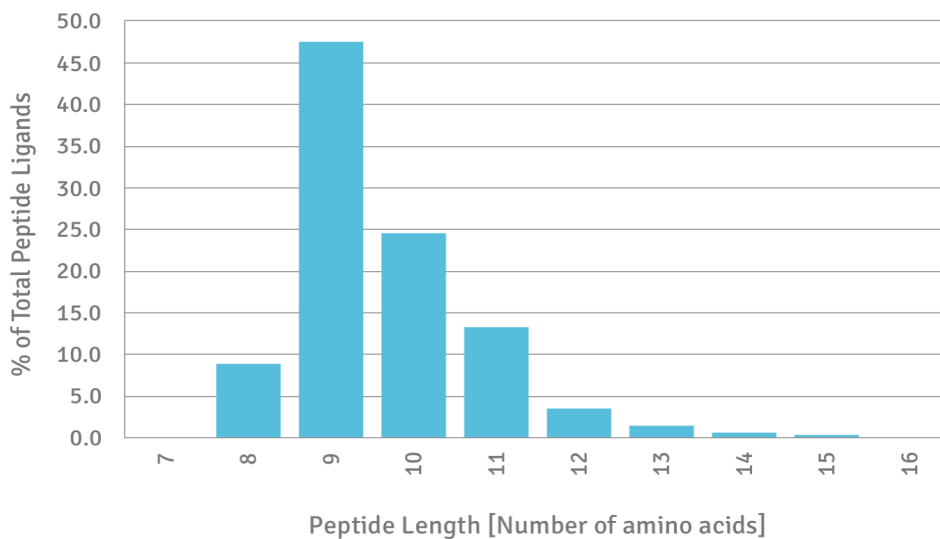
B*44:02 BINDING MOTIF



Length Distribution

HLA Length Distribution

B*44:02



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Eplet	Polymorphic Residues	Antibody Reactivity
9Y	9Y	
12M	12M	
24T	24T	
32L	32L	
41T	41T	Yes
45KE	45K46E	Yes
66I	66I	
66IS	66I67S	
69TNT	69T70N71T	Yes
71TN	71T77N	
74Y	74Y	
76EN	76E77N	
76ET	76E80T	
77N	77N	
80T	80T	
80TA	80T81A	
80TLR	80T82L83R	Yes
81ALR	81A82L83R	
82LR	82L83R	Yes
94I	94I	
95I	95I	
97R	97R	
99Y	99Y	
113YD	113Y114D	
116D	116D	
131S	131S	Yes
151ARV	150A151R152V	
152V	152V	
156DA	156D158A	Yes
162GLS	162G163L167S	
163L	163L	
163LE	163L166E	
163LS/G	163L-167G/S	Yes
166ES	166E167S	
193PI	193P194I	
199V	199V	