

Product datasheet



sHLA-B*45:01

B*4501, B4501, B*45, B45, B45

Serological Name	B45
Peptide Load	Endogenous
Modification	Unmodified
Conjugation	Unconjugated
SKU	B4501

Product Description

Allele Name	B*45:01 B2m
HLA Class	HLA Class I
HLA Gene Locus	HLA-B
Alternative Allele Name A Chain	B*4501, B4501, B*45, B45, B45
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	B45
Serological Split	B12
Bw4/Bw6 Assignment	Bw6
Bw4/Bw6 Sequence	SLRNLRG
Allele Frequency [World Population]	
A chain	1.5%
B chain	–

Associated products

[B4501bio](#)
[B4501pe](#)

Product Specification

Product name	HLA-B*45:01
HLA Species	Human
Host Cell Line Species	Human
Clone Designation	P1C9
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	GSHSMRYFHT AMSRPGRGEP RFITVGYVDD TLFVRFDSDA TSPRKEPRAP WIEQEGPEYW DRETQISKTN TQTYRESLRN LRGYYNQSEA GSHTWQRMYG CDLGPDRLL RGYNQLAYDG KDYIALNEDL SSWTAADTAA QITQRKWEAA RVAEQDRAYL EGLCVESLRR YLENGKETLQ RADPPKTHVT HHPISDHEAT LRCWALGFYP AEITLTWQRD GEDQTQDTEL VETRPAGDRT FQKWAADVVP SGEEQRYTCH VQHEGLPKPL TLRVSVSTDD DLA
Beta Chain Sequence	IQRTPKIQVY SRHPAENGKS NFLNCYVSGF HPSDIEVDLL KNGERIEKVE HSDLFSKDW SFYLLYYTEF TPTEKDEYAC RVNHVTLSPQ KIVKWDRDM

Related Products

[A0201](#)
[A0301](#)
[A2402](#)
[B0702](#)

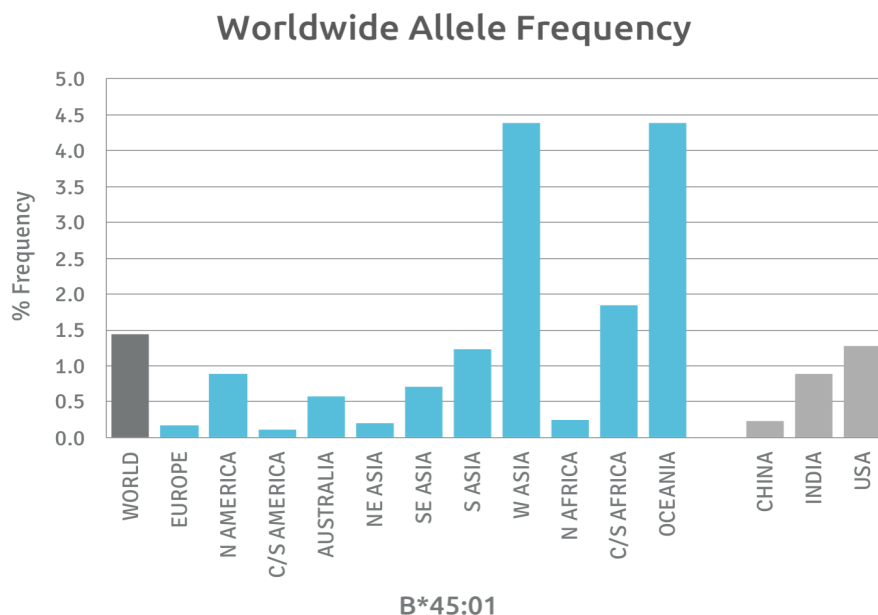
Applications

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:

ALL PRODUCTS ARE FOR RESEARCH USE ONLY. NOT FOR COMMERCIAL USE IN DIAGNOSTIC PROCEDURES.

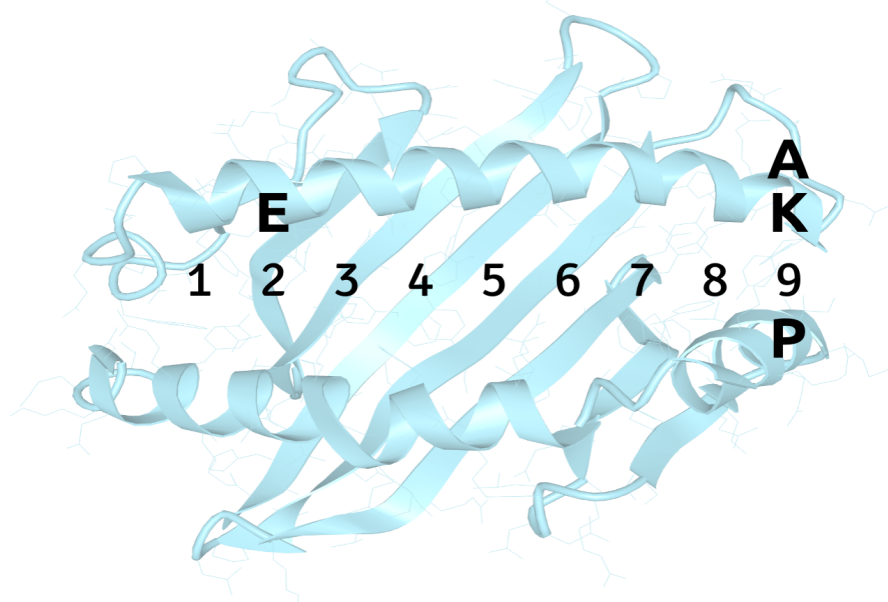
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licensing@hlaprotein.com

 HLA Protein
PURE PROTEIN, LLC

Motif

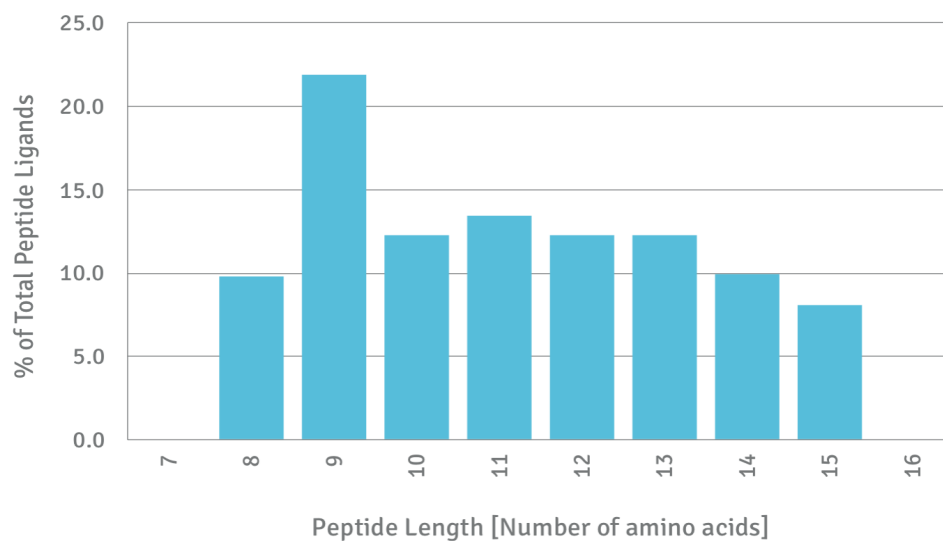
B*45:01 BINDING MOTIF



Length Distribution

HLA Length Distribution

B*45:01



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HLA Protein
PURE PROTEIN LLC

Eplet Assignments

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