

Product datasheet



sHLA-B*54:01

B*5401, B5401, B*54, B54, B54

Serological Name	B54
Peptide Load	Endogenous
Modification	Unmodified
Conjugation	Unconjugated
SKU	B5401

Product Description

Allele Name	B*54:01 B2m
HLA Class	HLA Class I
HLA Gene Locus	HLA-B
Alternative Allele Name A Chain	B*5401, B5401, B*54, B54, B54
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	B54
Serological Split	B22
Bw4/Bw6 Assignment	Bw6
Bw4/Bw6 Sequence	SLRNLRG
Allele Frequency [World Population]	
A chain	1.5%
B chain	-

Associated products

[B5401bio](#)
[B5401pe](#)

Product Specification

Product name	HLA-B*54:01
HLA Species	Human
Host Cell Line Species	Human
Clone Designation	A9F3
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 AMSRPGRGEP RFIAVGYVDD TQFVRFSDSA ASPRGEPRAP WVEQEGPEYW DRNTQIYKAQ AQTDRSLRN LRGYYNQSEA GSHTWQTMYG CDLGPDGRLR RGHNQLAYDG KDYIALNEDL SSWTAADTAA QITQRKWEAA RVAEQLRAYL EGTTCVEWLR YLENGKETLQ RADPPKTHVT HHPISDHEAT LRCWALGFYP AEITLTWQRD GEDQTQDTEL VETRPAGDRT FQKWAAVVVP SGEEQRYTCH VQHEGLPKPL TLRVSVSTDD DLA
Beta Chain Sequence	IQRTPKIQVY SRHPAENGKS NFLNCYVSGF HPSDIEVDLL KNGERIEKVE HSDLSFSKDW SFYLLYYTEF TPTEKDEYAC RVNHVTLSPQ KIVKWDRDM

Related Products

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

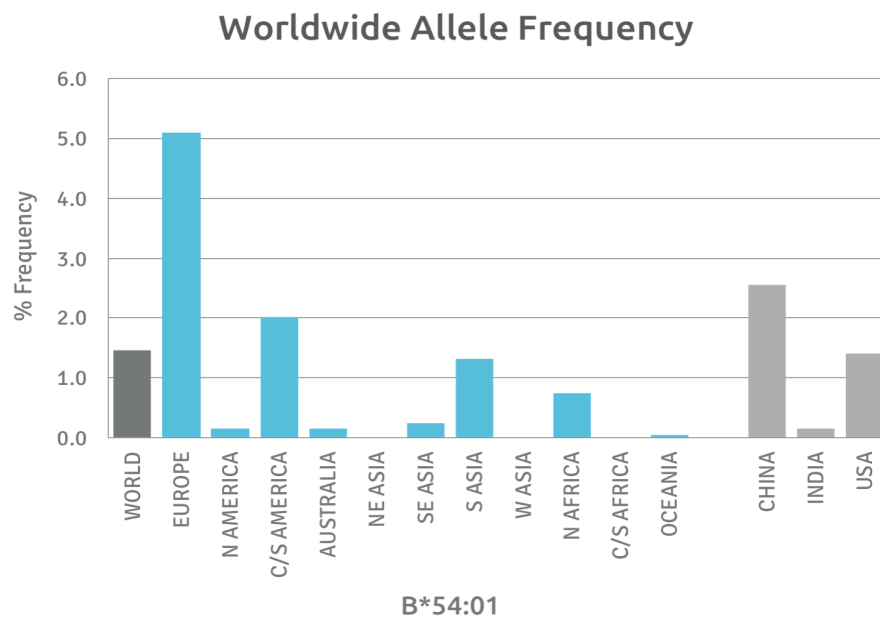
Applications

- 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:

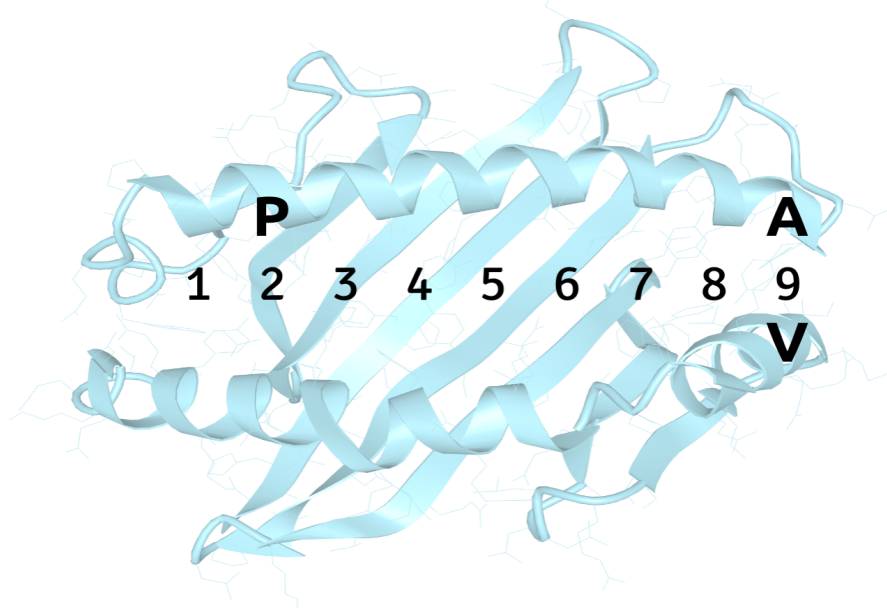
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Motif

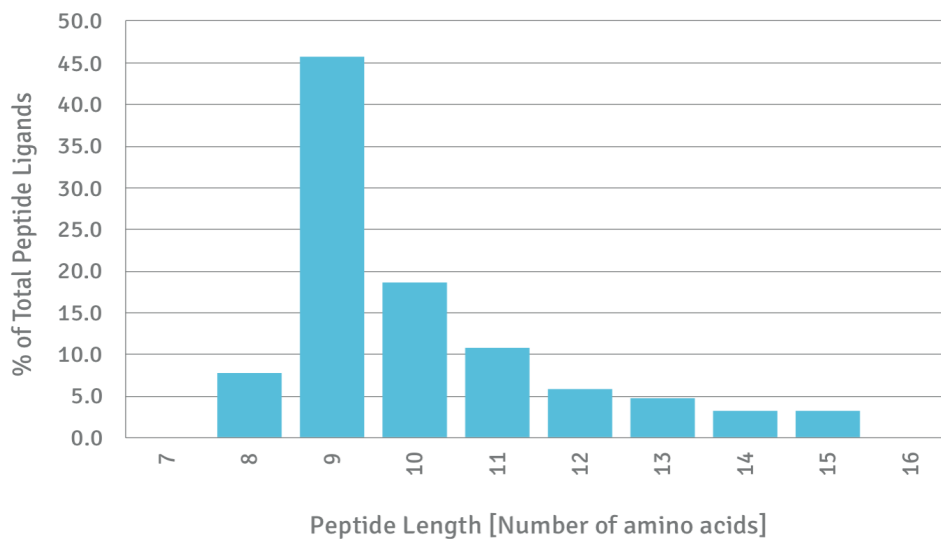
B*54:01 BINDING MOTIF



Length Distribution

HLA Length Distribution

B*54:01



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