

# Product datasheet



## sHLA-B\*14:01

B\*1401, B1401, B\*14, B14, B64

<b>Serological Name</b>	B64
<b>Peptide Load</b>	Endogenous
<b>Modification</b>	Unmodified
<b>Conjugation</b>	Unconjugated
<b>SKU</b>	B1401

### Product Description

<b>Allele Name</b>	B*14:01 B2m
<b>HLA Class</b>	HLA Class I
<b>HLA Gene Locus</b>	HLA-B
<b>Alternative Allele Name A Chain</b>	B*1401, B1401, B*14, B14, B64
<b>Alternative Allele Name B Chain</b>	-
<b>Description</b>	Recombinant, truncated Class I soluble Human Leukocyte Antigen (sHLA), naturally folded and glycosylated, loaded with endogenous peptides.
<b>Serological Name</b>	B64
<b>Serological Split</b>	B14
<b>Bw4/Bw6 Assignment</b>	Bw6
<b>Bw4/Bw6 Sequence</b>	SLRNLRG
<b>Allele Frequency [World Population]</b>	
<b>A chain</b>	0.8%
<b>B chain</b>	-

### Associated products

[B1401bio](#)  
[B1401pe](#)

## Product Specification

Product name	HLA-B*14:01
HLA Species	Human
Host Cell Line Species	Human
Clone Designation	B2C8
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 TQFVRFDSDA ASPREEPRAP WIEQEGPEYW DRNTQICKTN TQTDRESLRN LRGYYNQSEA GSHTLQWMYG CDVGPDRLL RGYNQFAYDG KDYIALNEDL SSWTAADTAA QITQRKWEAA REAEQLRAYL EGTCVEWLRH HLENGKETLQ RADPPKTHVT HHPISDHEAT LRCWALGFYP AEITLTWQRD GEDQTQDTEL VETRPAGDRT FQKWAAVVVP SGEEQRYTCH VQHEGLPKPL TLRVSVSTDD DLA
Beta Chain Sequence	IQRTPKIQVY SRHPAENGKS NFLNCYVSGF HPSDIEVDLL KNGERIEKVE HSDLSFSKDW SFYLLYYTEF TPTEKDEYAC RVNHVTLSPQ KIVKWRDM

## Related Products

[B1402](#)  
[B1405](#)  
[A0201](#)  
[B0702](#)

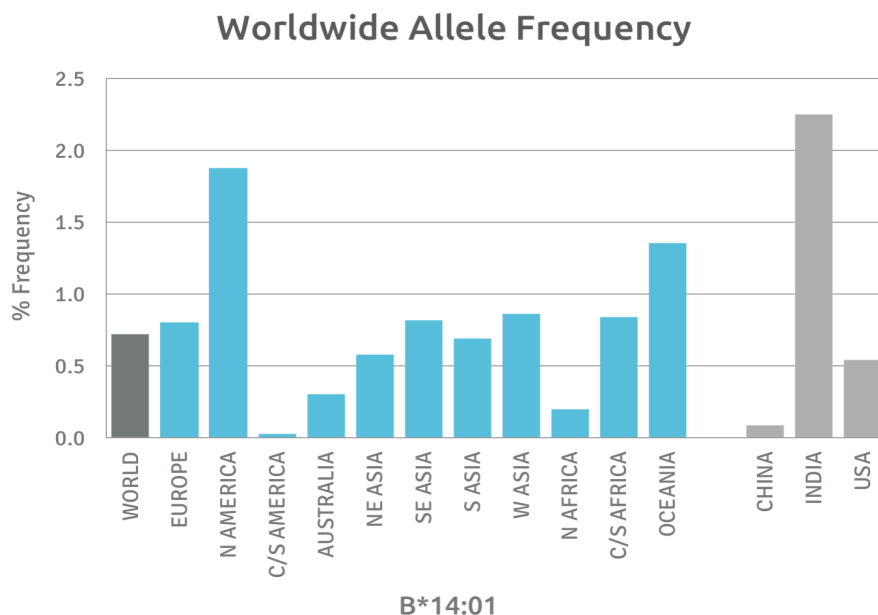
## Applications

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



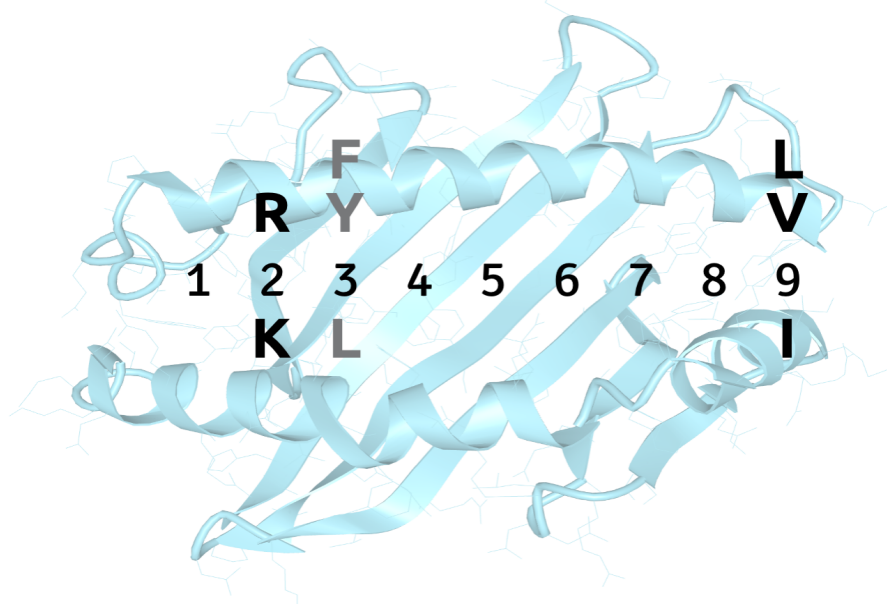
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## Motif

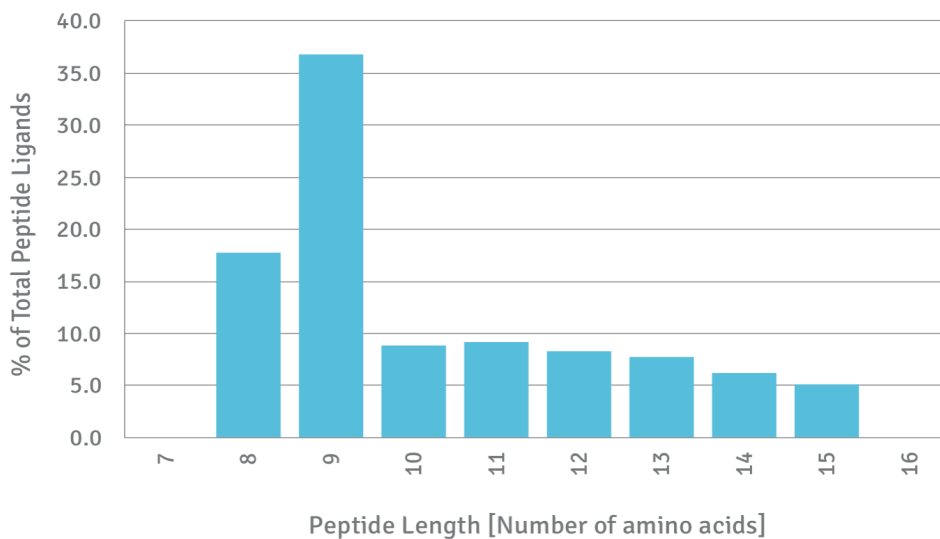
### B\*14:01 BINDING MOTIF



## Length Distribution

### HLA Length Distribution

**B\*14:01**



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