

# Product datasheet

## sHLA-B\*27:03

B\*2703, B2703, B\*27, B27, B27



<b>Serological Name</b>	B27
<b>Peptide Load</b>	Endogenous
<b>Modification</b>	Unmodified
<b>Conjugation</b>	Unconjugated
<b>SKU</b>	B2703

### Product Description

<b>Allele Name</b>	B*27:03 B2m
<b>HLA Class</b>	HLA Class I
<b>HLA Gene Locus</b>	HLA-B
<b>Alternative Allele Name A Chain</b>	B*2703, B2703, B*27, B27, B27
<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>	B27
<b>Serological Split</b>	-
<b>Bw4/Bw6 Assignment</b>	Bw4
<b>Bw4/Bw6 Sequence</b>	DLRTLRL
<b>Allele Frequency [World Population]</b>	
<b>A chain</b>	0.4%
<b>B chain</b>	-

### Associated products

[B2703bio](#)  
[B2703pe](#)

## Product Specification

<b>Product name</b>	HLA-B*27:03
<b>HLA Species</b>	Human
<b>Host Cell Line Species</b>	Human
<b>Clone Designation</b>	E6
<b>Tail Specification</b>	VLDL
<b>Peptide Load</b>	Endogenous
<b>Modification</b>	Unmodified
<b>Conjugation</b>	Unconjugated
<b>Complexity</b>	Monomer
<b>Protein Format</b>	Recombinant, truncated, soluble, non-modified, non-labeled, endogenously loaded
<b>Storage Temperature</b>	4 °C (This product should be stored undiluted)
<b>Form</b>	Liquid
<b>Concentration</b>	1000.0 µg/ml
<b>Formulation</b>	PBS/0.02% Sodium Azide
<b>pH</b>	7.4
<b>Purification Method</b>	Affinity Chromatography
<b>Grade</b>	Research Use Only [RUO]
<b>Authentication Verification</b>	Sequence Based Typing

## Protein Sequences

<b>Alpha Chain Sequence</b>	GSHSMRYFHT SVSRPGRGEP RFITVGYVDD TLFVRFSDSA ASPREEPRAP WIEQEGPEHW DRETQICKAK AQTREDRLRT LLRYYNQSEA GSHTLQNMYG CDVGPDRLL RGYHQDAYDG KDYIALNEDL SSWTAADTAA QITQRKWEAA RVAEQLRAYL EGECVEWLR R YLENGKETLQ RADPPKTHVT HHPISDHEAT LRCWALGFYP AEITLTWQRD GEDQTQDTEL VETRPAGDR T FQKWAAVVVP SGEEQRYTCH VQHEGLPKPL TLRVSVSTDD DLA
<b>Beta Chain Sequence</b>	IQRTPKIQVY SRHPAENGKS NFLNCYVSGF HPSDIEVDLL KNGERIEKVE HSDLSFSKDW SFYLLYYTEF TPTEKDEYAC RVNHVTL SQP KIVKWDRDM

## Related Products

[B2701](#)  
[B2705](#)  
[B0702](#)  
[A0101](#)

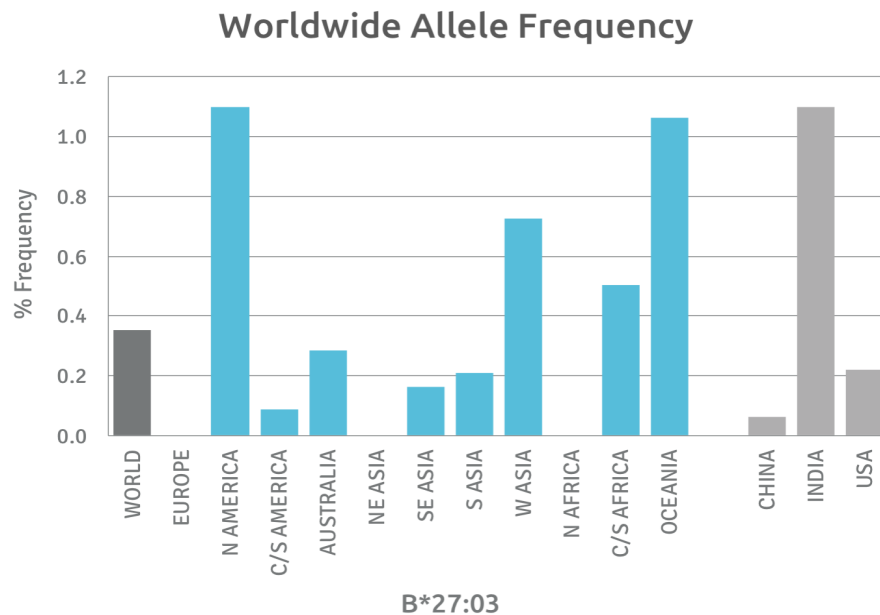
## Applications

- 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



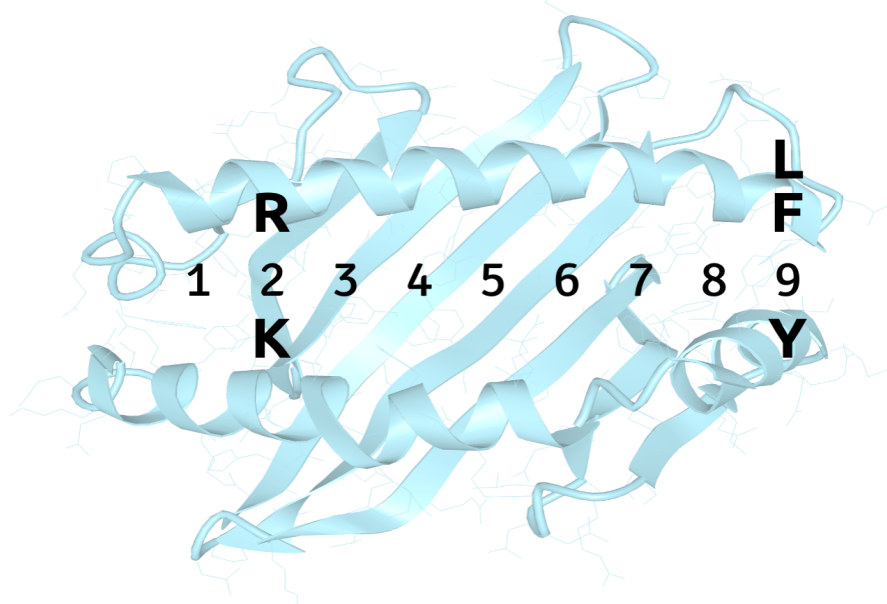
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## Motif

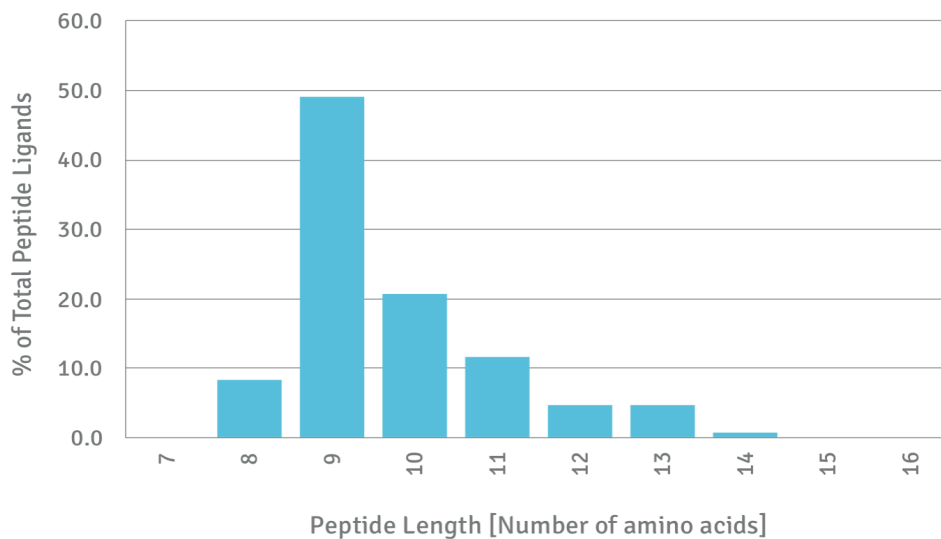
### B\*27:03 BINDING MOTIF



## Length Distribution

### HLA Length Distribution

#### **B\*27:03**



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