

Product datasheet

sHLA-B*27:05

B*2705, B2705, B*27, B27, B27



Serological Name	B27
Peptide Load	Endogenous
Modification	Unmodified
Conjugation	Unconjugated
SKU	B2705

Product Description

Allele Name	B*27:05 B2m
HLA Class	HLA Class I
HLA Gene Locus	HLA-B
Alternative Allele Name A Chain	B*2705, B2705, B*27, B27, B27
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	B27
Serological Split	-
Bw4/Bw6 Assignment	Bw4
Bw4/Bw6 Sequence	DLRTLRL
Allele Frequency [World Population]	
A chain	1.6%
B chain	-

Associated products

[B2705bio](#)
[B2705pe](#)

Product Specification

Product name	HLA-B*27:05
HLA Species	Human
Host Cell Line Species	Human
Clone Designation	C9B7
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 SVSRPGRGEP RFITVGYVDD TLFVRFDSDA ASPREEPRAP WIEQEGPEYW 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
Beta Chain Sequence	IQRTPKIQVY SRHPAENGKS NFLNCYVSGF HPSDIEVDLL KNGERIEKVE HSDLSFSKDW SFYLLYYTEF TPTEKDEYAC RVNHVTL SQP KIVKWRDRM

Related Products

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

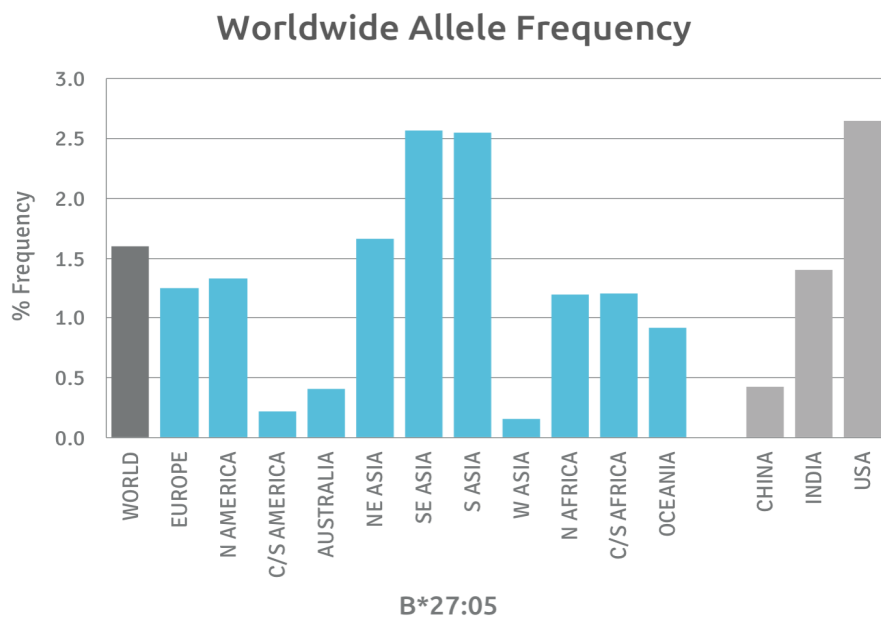
Applications

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



Please note:

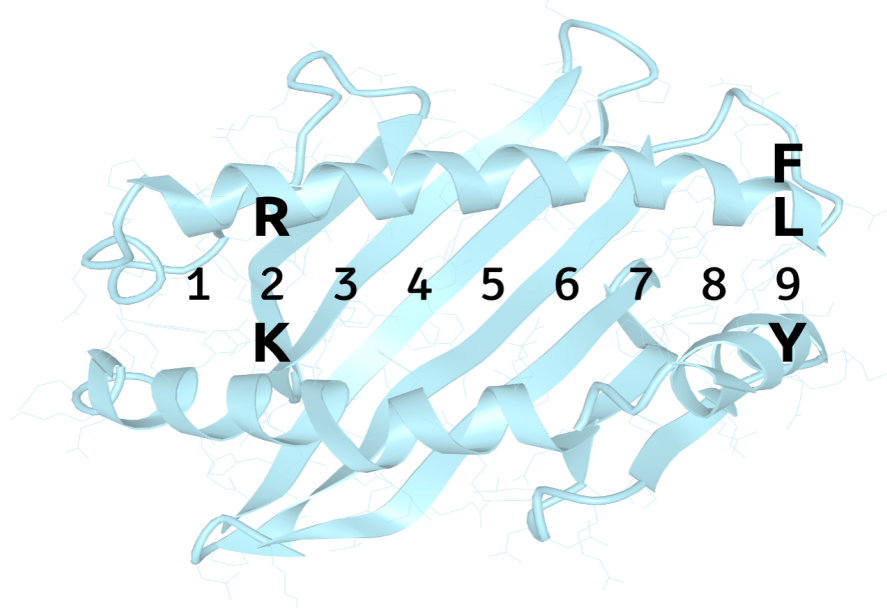
ALL PRODUCTS ARE FOR RESEARCH USE ONLY. NOT FOR COMMERCIAL USE IN DIAGNOSTIC PROCEDURES.
For more information, please visit our Policies section on our website. For licensing inquiries, please contact

licensing@hlaprotein.com

 HLA Protein
PURE PROTEIN, LLC

Motif

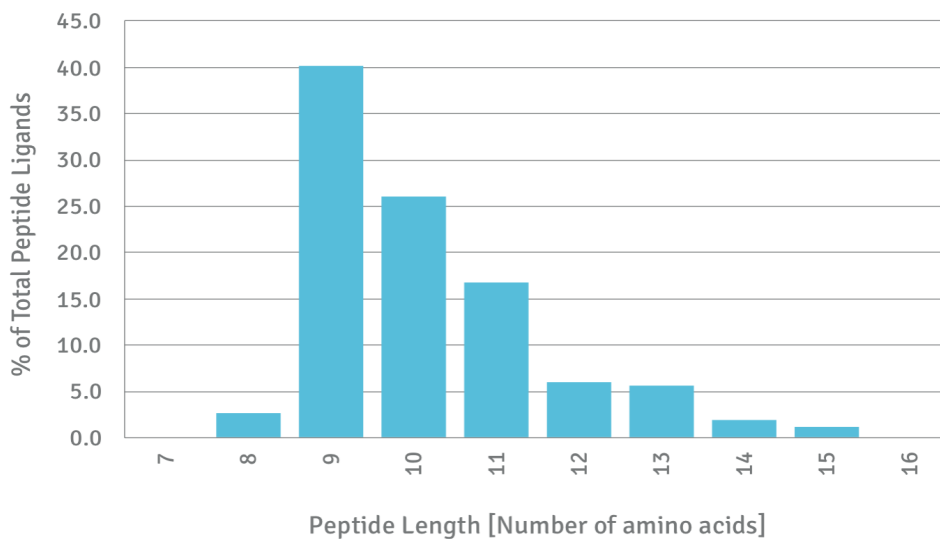
B*27:05 BINDING MOTIF



Length Distribution

HLA Length Distribution

B*27:05



Please note:

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

For more information, please visit our Policies section on our website. For licensing inquiries, please contact

licensing@hlaprotein.com

Eplet Assignments

B*27:05

Eplet	Polymorphic Residues	Antibody Reactivity
9H	9H	
24T	24T	
32L	32L	
45EE	45E46E	
65QIA	65Q66I69A	Yes
66I	66I	
66IC	66I67C	
69AA	69A71A	Yes
71ATD	71A73T77D	Yes
71KA	70K71A	
76ED	76E77D	
76ET	76E80T	
77D	77D	
80T	80T	
80TL	80T81L	
80TLR	80T82L83R	Yes
82LR	82L83R	Yes
95L	95L	
97N	97N	
99Y	99Y	
114H	114H	
116D	116D	
131S	131S	Yes
151ARV	150A151R152V	
152V	152V	
156L	156L	
163E	163E	
163EW	163E167W	Yes
193PI	193P194I	