

Product datasheet



sHLA-A*02:01

A*0201, A0201, A*02, A02, A2

| | |
|-------------------------|--------------|
| Serological Name | A2 |
| Peptide Load | Endogenous |
| Modification | Unmodified |
| Conjugation | Unconjugated |
| SKU | A0201 |

Product Description

| | |
|--|--|
| Allele Name | A*02:01 B2m |
| HLA Class | HLA Class I |
| HLA Gene Locus | HLA-A |
| Alternative Allele Name A Chain | A*0201, A0201, A*02, A02, A2 |
| 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 | A2 |
| Serological Split | - |
| Bw4/Bw6 Assignment | - |
| Bw4/Bw6 Sequence | - |
| Allele Frequency [World Population] | |
| A chain | 12.00% |
| B chain | - |

Associated products

[A0201bio](#)
[A0201pe](#)

Product Specification

| | |
|------------------------------------|---|
| Product name | HLA-A*02:01 |
| HLA Species | Human |
| Host Cell Line Species | Human |
| Clone Designation | OB11 |
| 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 | GSHSMRYFFT SVSRPGRGEP RFIAVGYVDD TQFVRFSDSA ASQRMEPRAP WIEQEGPEYW DGETRKVKAH SQTHRVDLGT LRGYYNQSEA GSHTVQRMYG CDVGSDDRFL RGYHQYAYDG KDYIALKEDL RSWTAADMAA QTTKKHWEAA HVAEQLRAYL EGTCVEWLR R YLENGKETLQ RTDAPKTHMT HHAVSDHEAT LRCWALSFPY AEITLTWQRD GEDQTQDTEL VETRPAGDGT FQKWAAVVVP SGQEQRYTCH VQHEGLPKPL TLRVSVSTDD DLA |
| Beta Chain Sequence | IQRTPKIQVY SRHPAENGKS NFLNCYVSGF HPSDIEVDLL KNGERIEKVE HSDLSFSKDW SFYLLYYTEF TPTEKDEYAC RVNHVTLSPQ KIVKWDRDM |

Related Products

[A0203](#)
[A0301](#)
[B0702](#)
[B5701](#)

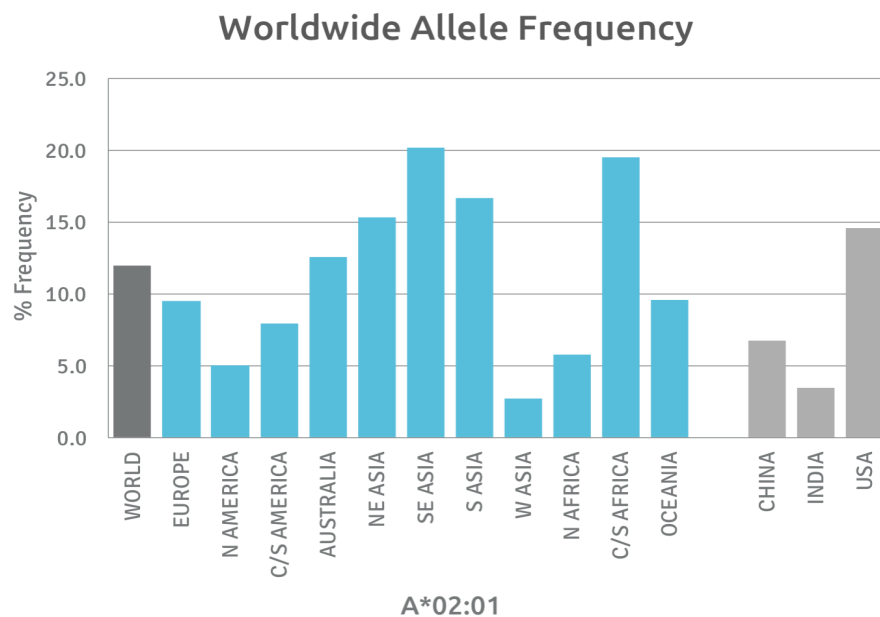
Applications

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



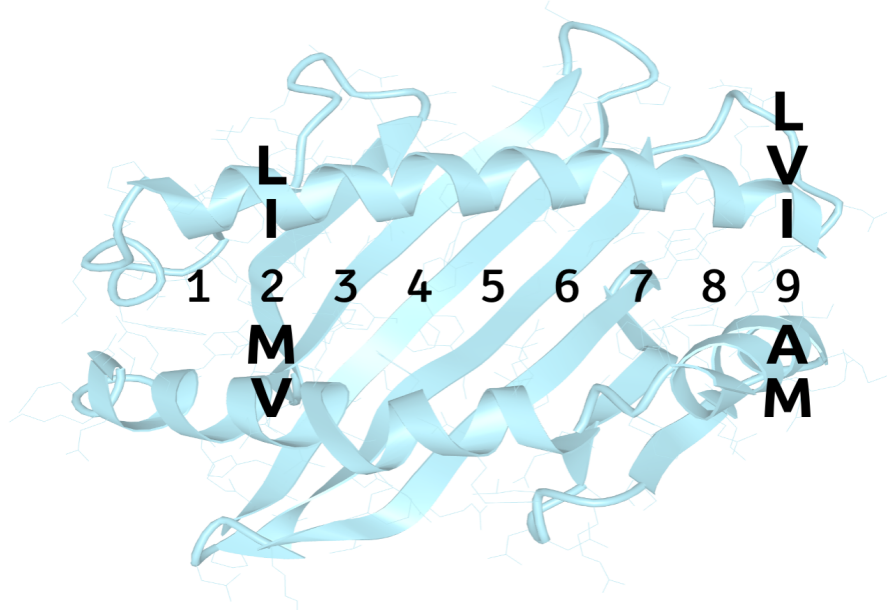
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licensing@hlaprotein.com

 HLA Protein
PURE PROTEIN, LLC

Motif

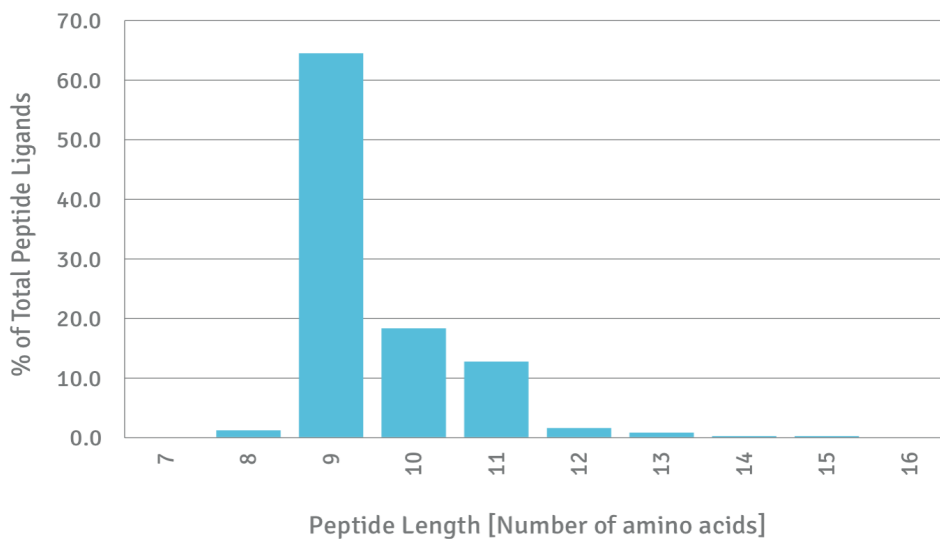
A*02:01 BINDING MOTIF



Length Distribution

HLA Length Distribution

A*02:01



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Eplet Assignments

A*02:01

| Eplet | Polymorphic Residues | Antibody Reactivity |
|--------|----------------------|---------------------|
| 9F | 9F | |
| 44RM | 44R45M | |
| 44RME | 44R45M46E(67V) | |
| 62GE | 62G63E | Yes |
| 62GK | 62G66K (74H77D) | Yes |
| 65RA | 65R69A | |
| 65RK | 65R66K | |
| 66K | 66K | |
| 66KA | 66K69A | |
| 66KH | 66K70H | |
| 71HS | 70H71S | |
| 76VDT | 76V77D80T | |
| 77D | 77D | |
| 79GT | 79G80T | Yes |
| 80T | 80T | |
| 80TL | 80T81L | |
| 95V | 95V | |
| 97R | 97R | |
| 99Y | 99Y | |
| 105S | 105S | |
| 107W | 107W | Yes |
| 109F | 109F | |
| 114H | 114H | |
| 116Y | 116Y | |
| 127K | 127K | Yes |
| 144K | 144K | Yes |
| 144TKH | 142T144K145H | Yes |
| 145KHA | 144K145H149A | Yes |
| 149AH | 149A151H | |
| 150AAH | 149A150A151H | Yes |
| 150AH | 150A151H | |
| 151AHV | 150A151H152V | |
| 151H | 151H | |
| 152V | 152V | |
| 156L | 156L | |
| 163T | 163T | |
| 184A | 184A | |
| 193AV | 193A194V | |
| 194V | 194V | |
| 207S | 207S | |
| 253Q | 253Q | Yes |
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