

# Product datasheet



## sHLA– DQB1\*03:03 DQA1\*02:01

DQB1\*0303, DQB10303, DQB1\*03, DQB03, DQ9  
DQA1\*0201, DQA10201, DQA1\*02, DQA02

|                         |                   |
|-------------------------|-------------------|
| <b>Serological Name</b> | DQ9               |
| <b>Peptide Load</b>     | Endogenous        |
| <b>Modification</b>     | Unmodified        |
| <b>Conjugation</b>      | Unconjugated      |
| <b>SKU</b>              | DQB10303/DQA10201 |

### Product Description

|                                            |                                                                                                                                             |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Allele Name</b>                         | DQA1*02:01<br>DQB1*03:03                                                                                                                    |
| <b>HLA Class</b>                           | HLA Class II                                                                                                                                |
| <b>HLA Gene Locus</b>                      | HLA-DQ                                                                                                                                      |
| <b>Alternative Allele Name A Chain</b>     | DQA1*0201, DQA10201, DQA1*02, DQA02                                                                                                         |
| <b>Alternative Allele Name B Chain</b>     | DQB1*0303, DQB10303, DQB1*03, DQB03, DQ9                                                                                                    |
| <b>Description</b>                         | Recombinant, truncated Class II soluble Human Leukocyte Antigen (sHLA), naturally folded and glycosylated, loaded with endogenous peptides. |
| <b>Serological Name</b>                    | DQ9                                                                                                                                         |
| <b>Serological Split</b>                   | DQ3                                                                                                                                         |
| <b>Allele Frequency [World Population]</b> |                                                                                                                                             |
| <b>A chain</b>                             | 10.1%                                                                                                                                       |
| <b>B chain</b>                             | 5.2%                                                                                                                                        |

### Associated products

[DQB10303/DQA10201bio](#)  
[DQB10303/DQA10201pe](#)

## Product Specification

|                             |                                                                                                    |
|-----------------------------|----------------------------------------------------------------------------------------------------|
| Product name                | HLA-DQB1*03:03/DQA1*02:01                                                                          |
| HLA Species                 | Human                                                                                              |
| Host Cell Line Species      | Mouse                                                                                              |
| Clone Designation           | EP194-B01                                                                                          |
| Tail Specification          | ZP                                                                                                 |
| Peptide Load                | Endogenous                                                                                         |
| Modification                | Unmodified                                                                                         |
| Conjugation                 | Unconjugated                                                                                       |
| Complexity                  | Monomer                                                                                            |
| Protein Format              | Recombinant, truncated, zipper-stabilized, 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 | EDIVADHVAS YGVNLYQSYG PSGQFTHEFD GDEEFYVDLE RKETVWKLPL FHRLR.FDPQ<br>FALTNIAVLK HNLNLIKRS NSTAATNEVP EVTVFSKSPV TLGQPNTLIC LVDNIFPPVV<br>NITWLSNGHS VTEGVSETSF LSKSDHSFFK ISYLTFLPSA DEIYDCKVEH WGLDEPLLK<br>WEPEIPAPMS EVDGGGGGAQ LEKELQALEK ENAQLEWELQ ALEKELAQ            |
| Beta Chain Sequence  | RDSPEDFVYQ FKGMCYFTNG TERVRLVTRY IYNREEYARF DSDVGVYRAV TPLGPPDAEY<br>WNSQKEVLER TRAE LDTVCR HNYQLELRTT LQRRVEPTVT ISPSRTEALN HHNLLVCSVT<br>DFYPAQIKVR WFRNDQEETT GVVSTPLIRN GDWTFQILVM LEMTPQRGDV YTCHVEHPSL<br>QNPIIVEWRA QSESAQSKVD GGGGGAQLKK KLQALKKKNA QLKWKLQALK KKLAQ |

## Related Products

[DQB10301/DQA10201](#)  
[DQB10602/DQA10102](#)  
[DQB10201/DQA10201](#)  
[DQB10302/DQA10201](#)

## Applications

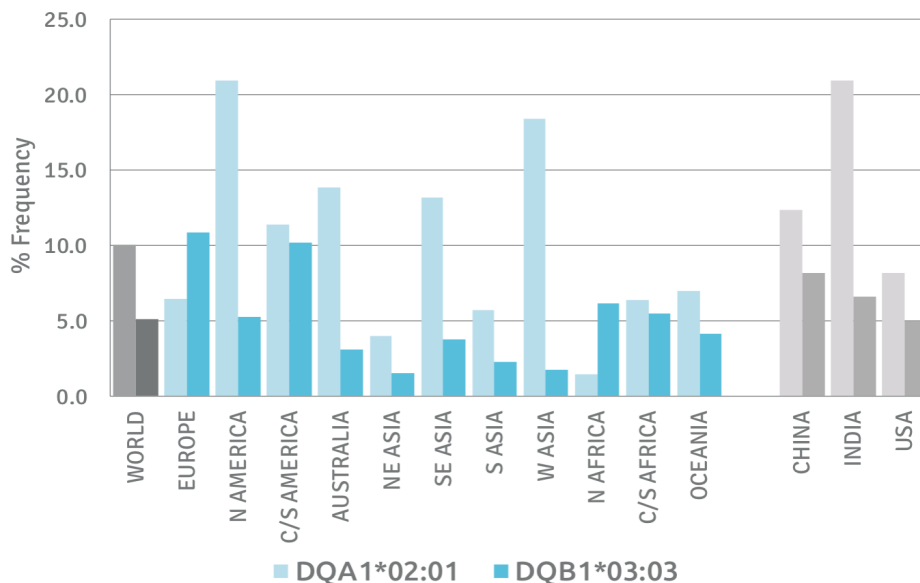
HLA Sandwich ELISAs  
 HLA Direct ELISAs  
 HLA-Sera Antibody Assays  
 HLA Controls in ELISA Assays  
 HLA Assay Standards  
 HLA Blocking Assays  
 HLA Neutralizing Assays  
 HLA Competition Assays  
 HLA Bead Assays  
 HLA Immunization Procedures

## Recommended Antibodies

-

## Allele Frequency

### Worldwide 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](mailto:licensing@hlaprotein.com)

 HLA Protein  
PURE PROTEIN LLC

## Eplet Assignments

**DQB1\*03:03**

[illegible]

## Eplet Assignments

**DQA1\*02:01**

| Eplet | Polymorphic Residues | Antibody Reactivity |
|-------|----------------------|---------------------|
| 2D    | 2D 199A              | Yes                 |
| 25FT  | 25F26T               |                     |
| 40E   | 40E                  | Yes                 |
| 40ERV | 40E41R45V            |                     |
| 47KHL | 47K52H54L            | Yes                 |
| 61FT  | 61F 64T 55R          | Yes                 |
| 66IL  | 66I69L               |                     |
| 75I   | 75I 161D 163I        |                     |
| 75IL  | 75I76L               |                     |
| 76L   | 76L                  |                     |
| 129H  | 129H                 |                     |
| 160A  | 160A                 |                     |
| 160AD | 160A161D             |                     |
| 175E  | 175E                 |                     |
|       |                      |                     |
|       |                      |                     |
|       |                      |                     |