

# Product datasheet



## sHLA– DQB1\*03:01 DQA1\*05:03

DQB1\*0301, DQB10301, DQB1\*03, DQB03, DQ7  
DQA1\*0503, DQA10503, DQA1\*05, DQA05

|                         |                   |
|-------------------------|-------------------|
| <b>Serological Name</b> | DQ7               |
| <b>Peptide Load</b>     | Endogenous        |
| <b>Modification</b>     | Unmodified        |
| <b>Conjugation</b>      | Unconjugated      |
| <b>SKU</b>              | DQB10301/DQA10503 |

### Product Description

|                                            |                                                                                                                                             |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Allele Name</b>                         | DQA1*05:03<br>DQB1*03:01                                                                                                                    |
| <b>HLA Class</b>                           | HLA Class II                                                                                                                                |
| <b>HLA Gene Locus</b>                      | HLA-DQ                                                                                                                                      |
| <b>Alternative Allele Name A Chain</b>     | DQA1*0503, DQA10503, DQA1*05, DQA05                                                                                                         |
| <b>Alternative Allele Name B Chain</b>     | DQB1*0301, DQB10301, DQB1*03, DQB03, DQ7                                                                                                    |
| <b>Description</b>                         | Recombinant, truncated Class II soluble Human Leukocyte Antigen (sHLA), naturally folded and glycosylated, loaded with endogenous peptides. |
| <b>Serological Name</b>                    | DQ7                                                                                                                                         |
| <b>Serological Split</b>                   | DQ3                                                                                                                                         |
| <b>Allele Frequency [World Population]</b> |                                                                                                                                             |
| <b>A chain</b>                             | 3.2%                                                                                                                                        |
| <b>B chain</b>                             | 22.3%                                                                                                                                       |

### Associated products

[DQB10301/DQA10503bio](#)  
[DQB10301/DQA10503pe](#)

## Product Specification

|                             |                                                                                                    |
|-----------------------------|----------------------------------------------------------------------------------------------------|
| Product name                | HLA-DQB1*03:01/DQA1*05:03                                                                          |
| HLA Species                 | Human                                                                                              |
| Host Cell Line Species      | Mouse                                                                                              |
| Clone Designation           | 3F3-32                                                                                             |
| 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               | 750.0 µg/µl                                                                                        |
| 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 PSGQYTHEFD GDEQFYVDLG RKETVWCLPV LRQFR.FDPQ<br>FALTNIAVLK HNLNSLIKRS NSTAATNEVP EVTVFSKSPV TLGQPNILIC LVDNIFPPVV<br>NITWLSNGHS VTEGVSETSF LSKSDHSFFK ISYLTLLPSS EESYDCKVEH WGLDKPLLKH<br>WEPEIPAPMS EVDGGGGGAQ LEKELQALEK ENAQLEWELQ ALEKELAQ          |
| Beta Chain Sequence  | RDSPEDFVYQ FKAMCYFTNG TERVRYVTRY IYNREEYARF DSDVEVYRAV TPLGPPDAEY<br>WNSQKEVLER TRAEOLDTVCR HNYQLELRTT LQRRVEPTVT ISPSRTEALN HHNLLVCSVT<br>DFYPAQIKVR WFRNDQEETT GVVSTPLIRN GDWTFQILVM LEMTPQHGDV YTCHVEHPSL<br>QNPITVEWRA QSESAQSKVD GGGGGAQLKK KLQALKKKNA QLKWKLQALK KKLAQ |

## Related Products

[DQB10304/DQA10503](#)  
[DQB10301/DQA10201](#)  
[DQB10602/DQA10102](#)  
[DQB10302/DQA10201](#)

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

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### Allele Frequency

Please note:  
ALL PRODUCTS ARE FOR RESEARCH USE ONLY. NOT FOR COMMERCIAL USE IN DIAGNOSTIC PROCEDURES.  
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[licensing@hlaprotein.com](mailto:licensing@hlaprotein.com)



## Eplet Assignments

**DQB1\*03:01**

[illegible]

## Eplet Assignments

**DQA1\*05:03**

[illegible]