

# Product datasheet



## sHLA– DQB1\*06:09bio DQA1\*01:04bio

DQB1\*0609, DQB10609, DQB1\*06, DQB06, DQ6  
DQA1\*0104, DQA10104, DQA1\*01, DQA01

|                         |                      |
|-------------------------|----------------------|
| <b>Serological Name</b> | DQ6                  |
| <b>Peptide Load</b>     | Endogenous           |
| <b>Modification</b>     | Unmodified           |
| <b>Conjugation</b>      | Biotin               |
| <b>SKU</b>              | DQB10609/DQA10104bio |

### Product Description

|                                            |                                                                                                                                             |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Allele Name</b>                         | DQA1*01:04<br>DQB1*06:09                                                                                                                    |
| <b>HLA Class</b>                           | HLA Class II                                                                                                                                |
| <b>HLA Gene Locus</b>                      | HLA-DQ                                                                                                                                      |
| <b>Alternative Allele Name A Chain</b>     | DQA1*0104, DQA10104, DQA1*01, DQA01                                                                                                         |
| <b>Alternative Allele Name B Chain</b>     | DQB1*0609, DQB10609, DQB1*06, DQB06, DQ6                                                                                                    |
| <b>Description</b>                         | Recombinant, truncated Class II soluble Human Leukocyte Antigen (sHLA), naturally folded and glycosylated, loaded with endogenous peptides. |
| <b>Serological Name</b>                    | DQ6                                                                                                                                         |
| <b>Serological Split</b>                   | DQ1                                                                                                                                         |
| <b>Allele Frequency [World Population]</b> |                                                                                                                                             |
| <b>A chain</b>                             | 3.9%                                                                                                                                        |
| <b>B chain</b>                             | 1.5%                                                                                                                                        |

### Associated products

[DQB10609/DQA10104](#)  
[DQB10609/DQA10104pe](#)

## Product Specification

|                             |                                                                                                     |
|-----------------------------|-----------------------------------------------------------------------------------------------------|
| Product name                | HLA-DQB1*06:09/DQA1*01:04bio                                                                        |
| HLA Species                 | Human                                                                                               |
| Host Cell Line Species      | Mouse                                                                                               |
| Clone Designation           | EP510-SCS-B5C2                                                                                      |
| Tail Specification          | ZP                                                                                                  |
| Peptide Load                | Endogenous                                                                                          |
| Modification                | Unmodified                                                                                          |
| Conjugation                 | Biotin                                                                                              |
| Complexity                  | Monomer                                                                                             |
| Protein Format              | Recombinant, truncated, zipper-stabilized, soluble, non-modified, biotinylated, endogenously loaded |
| Storage Temperature         | 4°C (This product should be stored undiluted)                                                       |
| Form                        | Liquid                                                                                              |
| Concentration               | 300.0 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 | EGIVADHVAS CGVNLYQFYG PSGQYTHEFD GDEEFYVDLE RKETAWRWPE FSKFGGFDPQ<br>GALRNMAVAK HNLNIMIKRY NSTAATNEVP EVTVFSKSPV TLGQPNTLIC LVDNIFPPVV<br>NITWLSNGQS VTEGVSETSF LSKSDHSFFK ISYLTFLPSA DEIYDCKVEH WGLDQPLLKH<br>WEPEIPAPMS EVDGGGGGAQ LEKELQALEK ENAQLEWELQ ALEKELAQ           |
| Beta Chain Sequence  | RDSPEDFVYQ FKGMCYFTNG TERVRLVTRY IYNREEYARF DSDVGIVYRAV TPQGRPVAEY<br>WNSQKEVLER TRAEALDTVCR HNYEVGYRGI LQRRVEPTVT ISPSRTEALN HHNLLVCSVT<br>DFYPGQIKVQ WFRNDQEETA GVVSTPLIRN GDWTFQILVM LEMTPQRGDV YTCHVEHPSL<br>QSPITVEWRA QSESAQSKVD GGGGGAQLKK KLQALKKKNA QLKWKLQALK KKLAQ |

## Related Products

[DQB10602/DQA10104bio](#)  
[DQB10603/DQA10104bio](#)  
[DQB10301/DQA10201bio](#)  
[DQB10602/DQA10102bio](#)

## Applications

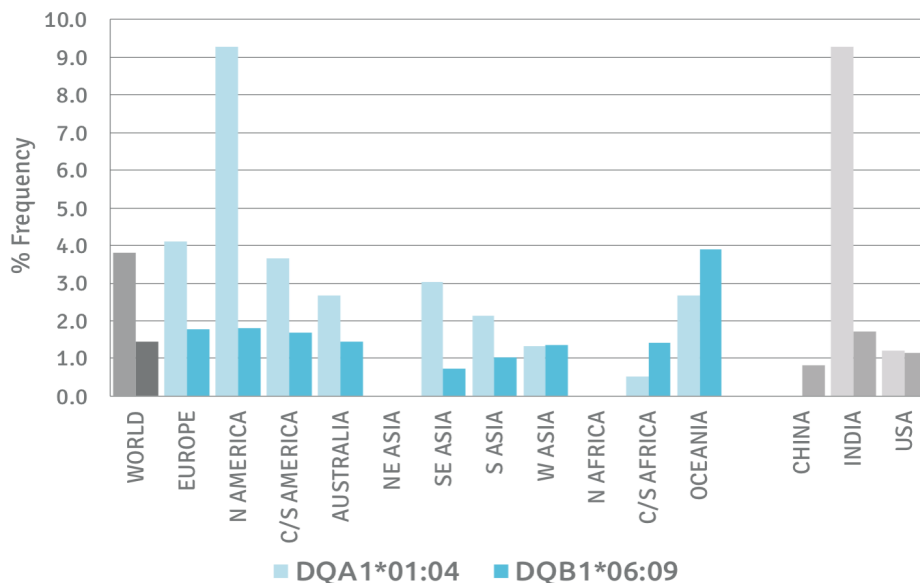
HLA Sandwich ELISAs  
 HLA Direct ELISAs  
 HLA-Sera Antibody Assays  
 HLA Controls in ELISA Assays  
 HLA Assay Standards  
 HLA Blocking Assays  
 HLA Neutralizing Assays  
 HLA Competition Assays  
 HLA Bead Assays  
 HLA Immunization Procedures

## Recommended Antibodies

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## Allele Frequency

### Worldwide Allele Frequency



Please note:

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[licensing@hlaprotein.com](mailto:licensing@hlaprotein.com)

HLA Protein  
 PURE PROTEIN LLC

## Eplet Assignments

**DQB1\*06:09**

[illegible]

## Eplet Assignments

**DQA1\*01:04**

[illegible]