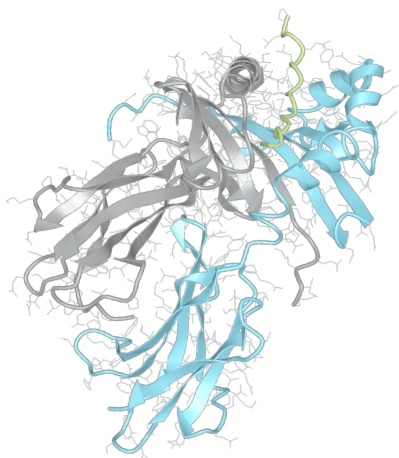


# Product datasheet



## sHLA– DRB1\*16:02bio DRA\*01:01bio

DRB1\*1602, DRB11602, DRB1\*16, DRB16, DR16  
DRA\*0101, DRA0101, DRA\*01, DRA01

|                         |             |
|-------------------------|-------------|
| <b>Serological Name</b> | DR16        |
| <b>Peptide Load</b>     | Endogenous  |
| <b>Modification</b>     | Unmodified  |
| <b>Conjugation</b>      | Biotin      |
| <b>SKU</b>              | DRB11602bio |

### Product Description

|                                            |                                                                                                                                             |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Allele Name</b>                         | <p>DRA*01:01</p> <p>DRB1*16:02</p>                                                                                                          |
| <b>HLA Class</b>                           | HLA Class II                                                                                                                                |
| <b>HLA Gene Locus</b>                      | HLA-DR                                                                                                                                      |
| <b>Alternative Allele Name A Chain</b>     | DRA*0101, DRA0101, DRA*01, DRA01                                                                                                            |
| <b>Alternative Allele Name B Chain</b>     | DRB1*1602, DRB11602, DRB1*16, DRB16, DR16                                                                                                   |
| <b>Description</b>                         | Recombinant, truncated Class II soluble Human Leukocyte Antigen (sHLA), naturally folded and glycosylated, loaded with endogenous peptides. |
| <b>Serological Name</b>                    | DR16                                                                                                                                        |
| <b>Serological Split</b>                   | DR2                                                                                                                                         |
| <b>Allele Frequency [World Population]</b> |                                                                                                                                             |
| <b>A chain</b>                             | –                                                                                                                                           |
| <b>B chain</b>                             | 4.2%                                                                                                                                        |

### Associated products

[DRB11602](#)  
[DRB11602pe](#)

## Product Specification

|                             |                                                                                                     |
|-----------------------------|-----------------------------------------------------------------------------------------------------|
| Product name                | HLA-DRB1*16:02bio                                                                                   |
| HLA Species                 | Human                                                                                               |
| Host Cell Line Species      | Mouse                                                                                               |
| Clone Designation           |                                                                                                     |
| 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 | IKEEHVIIQA EFYLNPDQSG EFMDFDGDGE IFHVDMAKKE TVWRLEEFGR FASFEAQGAL<br>ANIAVDKANL EIMTKRSNYT PITNVPPEVT VLTNSPVELR EPNVLICFID KFTPPVNVNT<br>WLRNGKPVTT GVSETVFLPR EDHLFRKFHY LPFLPSTEDV YDCRVEHWGL DEPLLKHWEF<br>DAPSPLPETT EVDGGGGGAQ LEKELQALEK ENAQLEWELQ ALEKELAQ         |
| Beta Chain Sequence  | GDTRPRFLWQ PKRECHFFNG TERVRFLDRY FYNQEEVSFR DSDVGEYRAV TELGRPDAEY<br>WNSQKDLLED RRAAVDTYCR HNYGVGESFT VQRRVQPKVT VYPSKTQPLQ HHNLLVCSVS<br>GFYPGSIEVR WFLNGQEEKA GMVSTGLIQN GDWTFQTLVM LETVPRSGEV YTCQVEHPSV<br>TSPLTVEWRA RSESAQSKVD GGGGGAQLKK KLQALKKKNA QLKWKLQALK KKLAQ |

## Related Products

[DRB11601bio](#)  
[DRB11101bio](#)  
[DRB10701bio](#)  
[DRB11501bio](#)

## Applications

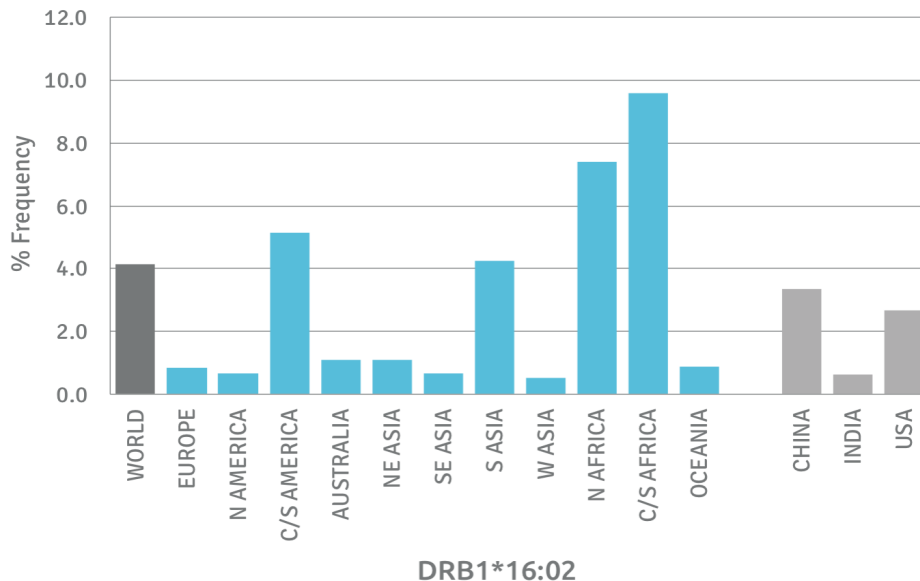
HLA Sandwich ELISAs  
 HLA Direct ELISAs  
 HLA-Sera Antibody Assays  
 HLA Controls in ELISA Assays  
 HLA Assay Standards  
 HLA Blocking Assays  
 HLA Neutralizing Assays  
 HLA Competition Assays  
 HLA Bead Assays  
 HLA Immunization Procedures

## Recommended Antibodies

L243

## 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

**DRB1\*16:02**

[illegible]