

# Product datasheet



## sHLA– DQB1\*04:01 DQA1\*02:01

DQB1\*0401, DQB10401, DQB1\*04, DQB04, DQ4  
DQA1\*0201, DQA10201, DQA1\*02, DQA02

<b>Serological Name</b>	DQ4
<b>Peptide Load</b>	Endogenous
<b>Modification</b>	Unmodified
<b>Conjugation</b>	Unconjugated
<b>SKU</b>	DQB10401/DQA10201

### Product Description

<b>Allele Name</b>	DQA1*02:01 DQB1*04:01
<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*0401, DQB10401, DQB1*04, DQB04, DQ4
<b>Description</b>	Recombinant, truncated Class II soluble Human Leukocyte Antigen (sHLA), naturally folded and glycosylated, loaded with endogenous peptides.
<b>Serological Name</b>	DQ4
<b>Serological Split</b>	-
<b>Allele Frequency [World Population]</b>	
<b>A chain</b>	10.1%
<b>B chain</b>	2.6%

### Associated products

[DQB10401/DQA10201bio](#)  
[DQB10401/DQA10201pe](#)

## Product Specification

<b>Product name</b>	HLA-DQB1*04:01/DQA1*02:01
<b>HLA Species</b>	Human
<b>Host Cell Line Species</b>	Mouse
<b>Clone Designation</b>	EP197-C03
<b>Tail Specification</b>	ZP
<b>Peptide Load</b>	Endogenous
<b>Modification</b>	Unmodified
<b>Conjugation</b>	Unconjugated
<b>Complexity</b>	Monomer
<b>Protein Format</b>	Recombinant, truncated, zipper-stabilized, soluble, non-modified, non-labeled, endogenously loaded
<b>Storage Temperature</b>	4°C (This product should be stored undiluted)
<b>Form</b>	Liquid
<b>Concentration</b>	1000.0 µg/µl
<b>Formulation</b>	PBS/0.02% Sodium Azide
<b>pH</b>	7.4
<b>Purification Method</b>	Affinity Chromatography
<b>Grade</b>	Research Use Only [RUO]
<b>Authentication Verification</b>	Sequence Based Typing

## Protein Sequences

<b>Alpha Chain Sequence</b>	EDIVADHVAS YGVNLYQSYG PSGQFTHEFD GDEEFYVDLE RKETVWKLPL FHRLR.FDPQ FALTNIIVLK HNLNLIKRS NSTAATNEVP EVTVFSKSPV TLGQPNTLIC LVDNIFPPVV NITWLSNGHS VTEGVSETSF LSKSDHSFFK ISYLTFLPSA DEIYDCKVEH WGLDEPLLKH WEPEIPAPMS EVDGGGGGAQ LEKELQALEK ENAQLEWELQ ALEKELAQ
<b>Beta Chain Sequence</b>	RDSPEDFVFQ FKGMCYFTNG TELVRGVTRY IYNREEYARF DSDVGVYRAV TPLGRDLDAEY WNSQKDILEE DRASVDTVCR HNYQLELRTT LQRRVEPTVT ISPSRTEALN HHNLLVCSVT DFYPAQIKVR WFRNDQEETT GVVSTPLIRN GDWTFQILVM LEMTPQRGDV YTCHVEHPSL QNPTIIVEWRA QSESAQSKVD GGGGAQLKK KLQALKKKNA QLKWKLQALK KKLAQ

## Related Products

[DQB10402/DQA10201](#)  
[DQB10301/DQA10201](#)  
[DQB10602/DQA10102](#)  
[DQB10302/DQA10201](#)

## Applications

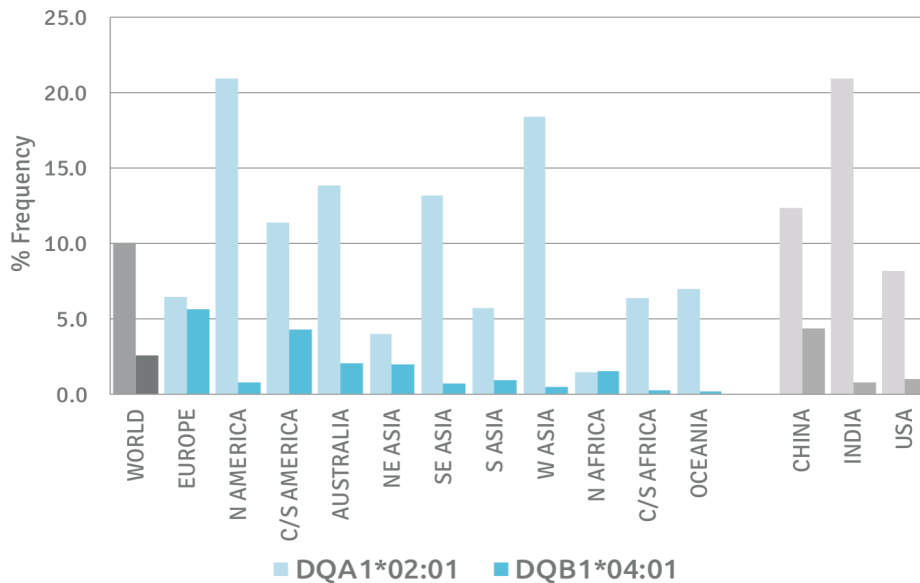
HLA Sandwich ELISAs  
 HLA Direct ELISAs  
 HLA-Sera Antibody Assays  
 HLA Controls in ELISA Assays  
 HLA Assay Standards  
 HLA Blocking Assays  
 HLA Neutralizing Assays  
 HLA Competition Assays  
 HLA Bead Assays  
 HLA Immunization Procedures

## Recommended Antibodies

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## Allele Frequency

### Worldwide Allele Frequency



Please note:

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