

# Product datasheet



## sHLA– DPB1\*03:01 DPA1\*01:04

DPB1\*0301, DPB10301, DPB1\*03, DPB03  
DPA1\*0104, DPA10104, DPA1\*01, DPA01

<b>Serological Name</b>	-
<b>Peptide Load</b>	Endogenous
<b>Modification</b>	Unmodified
<b>Conjugation</b>	Unconjugated
<b>SKU</b>	DPB10301/DPA10104

### Product Description

<b>Allele Name</b>	DPA1*01:04 DPB1*03:01
<b>HLA Class</b>	HLA Class II
<b>HLA Gene Locus</b>	HLA-DP
<b>Alternative Allele Name A Chain</b>	DPA1*0104, DPA10104, DPA1*01, DPA01
<b>Alternative Allele Name B Chain</b>	DPB1*0301, DPB10301, DPB1*03, DPB03
<b>Description</b>	Recombinant, truncated Class II soluble Human Leukocyte Antigen (sHLA), naturally folded and glycosylated, loaded with endogenous peptides.
<b>Serological Name</b>	-
<b>Serological Split</b>	-
<b>Allele Frequency [World Population]</b>	
<b>A chain</b>	0.5%
<b>B chain</b>	6.2%

### Associated products

[DPB10301/DPA10104bio](#)  
[DPB10301/DPA10104pe](#)

## Product Specification

<b>Product name</b>	HLA-DPB1*03:01/DPA1*01:04
<b>HLA Species</b>	Human
<b>Host Cell Line Species</b>	Mouse
<b>Clone Designation</b>	B10B11
<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/ml
<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>	IKADHVSTYA AFVQTHRPTG EFMFEFDDDE MFYVDLDKKE TVWHLEEFQ AFSFEAQGGL ANIAILNNL NTLIQRSNHT QATNDPPEVT VFPKEPVELG QPNTLICHID KFFPPVLNVT WLCNGELVTE GVAESLFLPR TDYSFHKFHY LTFVPSAEDF YDCRVEHWGL DQPLLKHWEA QEPIQMPETT EVDGGGGGAQ LEKELQALEK ENAQLEWELQ ALEKELAQ
<b>Beta Chain Sequence</b>	RATPENYVYQ LRQECYAFNG TQRFLERYIY NREEFVRFDS DVGEFRAVTE LGRPDEDYWN SQKDLLEEKR AVPDRVCRHN YELDEAVTLQ RRVQPKVNVS PSKKGPLQHH NLLVCHVTDF YPGSIQVRWF LNGQEETAGV VSTNLIRNGD WTFQILVMLE MTPQQGDVYI CQVEHTSLDS PVTVEWKAQS DSARSKVDGG GGGAQLKKKL QALKKKNAQL KWKLQALKKK LAQ

## Related Products

[DPB10501/DPA10202](#)  
[DPB10401/DPA10201](#)  
[DPB10402/DPA10103](#)  
[DPB10201/DPA10103](#)

## Applications

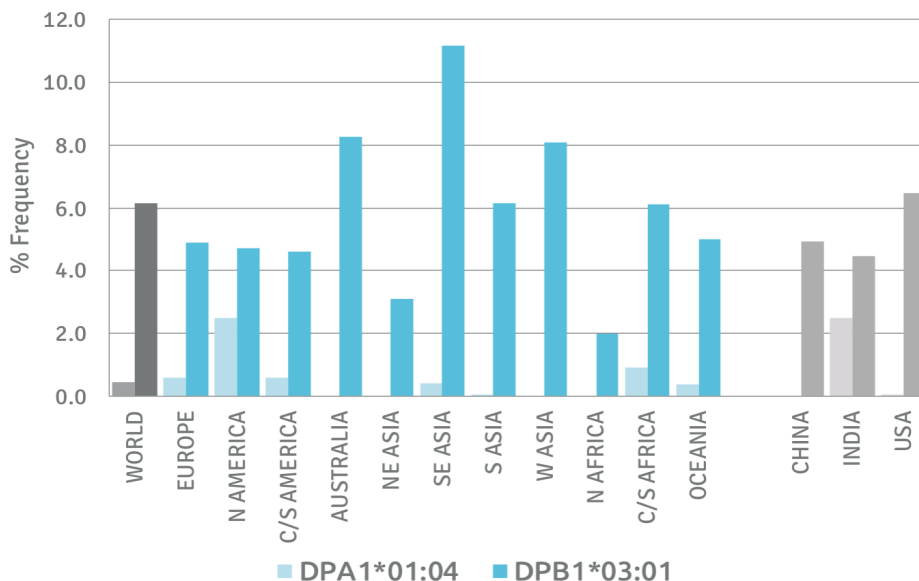
HLA Sandwich ELISAs  
 HLA Direct ELISAs  
 HLA-Sera Antibody Assays  
 HLA Controls in ELISA Assays  
 HLA Assay Standards  
 HLA Blocking Assays  
 HLA Neutralizing Assays  
 HLA Competition Assays  
 HLA Bead Assays  
 HLA Immunization Procedures

## 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**

**DPB1\*03:01**

Eplet	Polymorphic Residues	Antibody Reactivity
8V	8V	
9Y	8V9Y	
9YL	8V9Y11L	
11L	8V11L	
33E	33E	
35F	35F	
35FV	35F36V	Yes
36V	36V	
56E	55D56E	Yes
57D	55D56E57D	Yes
65L	65L	
65LK	65L69K	
69K	69K	
76V	76V	
84DEAV	84D85E86A87V	Yes
96K	96K 170I	Yes
178L	178L	

**Eplet Assignments**

**DPA1\*01:04**

Eplet	Polymorphic Residues	Antibody Reactivity
11A	11A	
28D	28D	
31M	31M	
50Q	50Q	Yes
127L	127L 160F	
160F	160F	
190T	190T	