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Datasheet for ABIN7273265

## HLA DPA1\*02:02-DPB1\*15:01 protein (V5 tag,SBP Tag,His tag)

### Overview

Quantity:	100 µL
Target:	HLA DPA1*02:02-DPB1*15:01
Origin:	Human
Source:	Mammalian Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	V5 tag,SBP Tag,His tag
Application:	Blocking Peptide (BP), Control Peptide (CP), ELISA, Neutralization (Neut)

### Product Details

Purpose:	The product is HLA DPA1*02:02-DPB1*15:01 as zipper-stabilized heterodimer
Sequence:	<p><b>alpha chain:</b> AGAIKADHVS TYAMFVQTHR PTGEFMFEFD EDEQFYVDLD KKETVWHLEE            FGRAFSFEAQ GGLANIAILN&gt;NNLNTLIQRS NHTQAANDPP EVTVFPKEPV ELGQPNTLIC            HIDRFFPPVL NVTWLCNGEP VTEGVAESLF LPRTDYSFHK FHYLTFVPSA EDVYDCRVEH            WGLDQPLLKH WEAQEPIQ</p> <p><b>beta chain:</b> PENYVYQGRQ ECYAFNGTQR FLERYIYNRQ EYARFSDSVG EFRAVTELGR            PAAEYWNSQK DLLEERRAVP DRMCRRHNYEL VGPMTLQRRV QPKVNVSPSK KGPLQHHNLL            VCHVTDFYPG SIQVRWFLNG QEETAGVVST NLIRNGDWTF QILVMLEMTP QQGDVYICQV            EHTSLDSPVT VEWKAQSDSA RSKT</p> <p>Sequences without tags. Tag location is at the discretion of the manufacturer.</p>
Specificity:	HLA DPA1*02:02-DPB1*15:01, P20036 / P04440
Characteristics:	HLAs are produced in mammalian cell cultures as recombinant, truncated, soluble antigens, as zipper-stabilized heterodimers (HLA class II). As part of our quality control, all HLA are analyzed

## Product Details

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for purity by gel electrophoresis, concentration is determined by ELISA (0.5 mg/ml) and their functionality is verified with a specific antiserum.

Purification: Chromatography

Purity: > 80 %

Endotoxin Level: Endotoxins have not been removed

## Target Details

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Target: HLA DPA1\*02:02-DPB1\*15:01

Background: Human Leukozyte Antigen, human Antigen-presenting major histocompatibility complex class II (MHCII) molecule. Expressed on Antigen-presenting cells (APC), displays peptides to CD4-positive T cells. Involved in cellular immune response.

Molecular Weight: approx. 60 - 65 kDa (approx. 28 kDa alpha chain and 33 - 37 kDa beta chain)

UniProt: [P20036](#)

## Application Details

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Application Notes: ELISA: 10 - 1000 ng/mL

Comment: sandwich ELISA, direct ELISA, bead ELISA, reactive with antibodies anti-V5 and anti-His and specific antiserum, B cell ELI Spot (predicted), in vitro memory B cell stimulation (predicted), HLA competition assay (predicted), control in various assays (predicted)

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 0.5 mg/mL

Buffer: Phosphate based buffer, pH 7.8, Sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Expiry Date: 6 months