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Datasheet for ABIN7273252

## HLA DRA\*01:01-DRB1\*15:01 protein (V5 tag,SBP Tag,His tag)

### Overview

Quantity:	100 µL
Target:	HLA DRA*01:01-DRB1*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 DRA*01:01-DRB1*15:01 as zipper-stabilized heterodimer
Sequence:	<p><b>alpha chain:</b> IKEEHVIIQA EFYLNPDQSG EFMDFDFGDE IFHVDMAKKE TVWRLEEFGR  FASFEAQGAL ANIAVDKANL EIMTKRSNYT PITNVPPEVT VLTNSPVELR EPNVLICFID  KFTPPVNVNT WLRNGKPVTT GVSETVFLPR EDHLFRKFHY LPFLPSTEDV YDCRVEHWGL  DEPLLKHWEF DAPSPLPETT E</p> <p><b>beta chain:</b> GDTRPRFLWQ PKRECHFFNG TERVRFLDRY FYNQEESVRF DSDVGEFRAV  TELGRPDAEY WNSQKDILEQ ARAAVDTCR HNYGVVESFT VQRRVQPKVT VYPSKTQPLQ  HHNLLVCSVS GFYPGSIEVR WFLNGQEEKA GMVSTGLIQN GDWTFQTLVM LETVPRSGEV  YTCQVEHPSV TSPLTVEWRA RSESAQSK</p> <p>Sequences without tags. Tag location is at the discretion of the manufacturer.</p>
Specificity:	<p>HLA DRA*01:01-DRB1*15:01, P01903 / P01911</p> <p>The HLA-DRB15 haplotype, containing HLA-DRB1*15:01 and HLA-DRB5*01:01, is associated with multiple sclerosis. Both alleles present complementary peptide repertoires to T cells.</p>

## Product Details

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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 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 DRA*01:01-DRB1*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. 65 - 70 kDa (approx. 30 kDa alpha chain and 35 - 39 kDa beta chain)
UniProt:	<a href="#">P01903</a>

## 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.

## Handling

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Storage: 4 °C

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Expiry Date: 6 months