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Datasheet for ABIN7273299

HLA DQA1*01:01-DQB1*06:02 protein (V5 tag,SBP Tag,His tag)

Overview

Quantity:	100 µL
Target:	HLA DQA1*01:01-DQB1*06:02
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 DQA1*01:01-DQB1*06:02 as zipper-stabilized heterodimer
Sequence:	<p>alpha chain: EDIVADHVAS YGVNLYQSYG PSGQFTHEFD GDEEFYVDLE RKETVWKLPL FHRLRFDPQF ALTNIAVLKH NLNILIKRSN STAATNEVPE VTVFSKSPVT LGQPNTLICL VDNIFPPVWN ITWLSNGHSV TEGVSETSFL SKSDHSFFKI SYLTFLPSAD EIYDCKVEHW GLDEPLKHW EPEIPAMSE LTET</p> <p>beta chain: RDSPEDFVFQ FKGMCYFTNG TERVRLVTRY IYNREEYARF DSDVGVYRAV TPQGRPDAEY WNSQKEVLEG TRAEELDTVCR HNYEVAFRGI LQRRVEPTVT ISPSRTEALN HHNLLVCSVT DFYPGQIKVR WFRNDQEETA GVVSTPLIRN GDWTFQILVM LEMTPQRGDV YTCHVEHPSL QSPITVEWRA QSESAQSK</p> <p>Sequences without tags. Tag location is at the discretion of the manufacturer.</p>
Specificity:	HLA DQA1*01:01-DQB1*06:02, P01909 / P01920
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

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

Target:	HLA DQA1*01:01-DQB1*06:02
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. 29 kDa alpha chain and 34 - 38 kDa beta chain)
UniProt:	P01909

Application Details

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

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