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Datasheet for ABIN7273234

HLA DRA*01:01-DRB1*04:01 protein (V5 tag,SBP Tag,His tag)

Overview

Quantity:	100 µL
Target:	HLA DRA*01:01-DRB1*04:01
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*04:01 as zipper-stabilized heterodimer
Sequence:	<p>alpha chain: IKEEHVIIQA EFYLNPDQSG EFMDFDFGDE IFHVDMAKKE TVWRLEEFGR FASFEAQGAL ANIAVDKANL EIMTKRSNYT PITNVPPEVT VLTNSPVELR EPNVLICFID KFTPPVNVNT WLRNGKPVTT GVSETVFLPR EDHLFRKFHY LPFLPSTEDV YDCRVEHWGL DEPLLKHWEF DAPSPLPETT E</p> <p>beta chain: GDTRPRFLEQ VKHECHFFNG TERVRFLDRY FYHQEEYVRF DSDVGEYRAV TELGRPDAEY WNSQKDLLEQ KRAAVDTYCR HNYGVGESFT VQRRVYPEVT VYPAKTQLQ HHNLLVCSVN GFYPGSIEVR WFRNGQEEKT GVVSTGLIQN GDWTFQTLVM LETVPRSGEV YTCQVEHPSL TSPLTVEWRA RSESAQSK</p> <p>Sequences without tags. Tag location is at the discretion of the manufacturer.</p>
Specificity:	<p>HLA DRA*01:01-DRB1*04:01, P01903 / P01911</p> <p>HLA-DRB1*04:01 is associated with different diseases such as multiple sclerosis, rheumatoid arthritis or type 1 diabetes mellitus. People bearing HLA-DRB1*04:01 are more likely to be</p>

Product Details

asymptomatic during an infection with SARS-CoV-2.

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

Target: HLA DRA*01:01-DRB1*04:01

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: [P01903](#)

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

Handling

should be handled by trained staff only.

Storage: 4 °C

Expiry Date: 6 months