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Datasheet for ABIN7273166
HLA-A*24:02 protein (SBP Tag)

Overview

Quantity:	100 µL
Target:	HLA-A*24:02
Origin:	Human
Source:	Mammalian Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	SBP Tag
Application:	Blocking Peptide (BP), Control Peptide (CP), ELISA, Neutralization (Neut)

Product Details

Purpose:	The product is HLA-A*24:02 complexed with β2-microglobulin (b2m)
Sequence:	<p>heavy chain: GSHSMRYFST SVSRPGRGEP RFIAVGYVDD TQFVRFSDA ASQRMEPRAP WIEQEGPEYW DEETGKVKAH SQTRENRLRI ALRYYNQSEA GSHTLQMMFG CDVGS DGRFL RGYHQYAYDG KDYIALKEDL RSWTAADMAA QITKRKWEAA HVAEQRAYL EGTCVDGLRR YLENGKETLQ RTDPPKTHMT HHPISDHEAT LRCWALGFYP AEITLWQRD GEDQTQDTEL VETRPAGDGT FQKWA AVVVP SGEEQRYTCH VQHEGLPKPL TLRWEPSSQP TVPI</p> <p>light chain: IQRTPKIQVY SRHPAENGKS NFLNCYVSGF HPSDIEVDLL KNGERIEKVE HSDL SFSKDW SFYLLYYTEF TPTEKDEYAC RVNHVTL SQP KIVKWDRDM</p> <p>Sequences without tags. Tag location is at the discretion of the manufacturer.</p>
Specificity:	<p>HLA-A*24:02 complexed with b2m, P04439 / P61769</p> <p>HLA-A*24:02 is the sister antigen of HLA-A*23:01, differing only in four amino acid residues. HLA-A24 is widely distributed in all major ethnic populations except Blacks.</p>
Characteristics:	HLAs are produced in mammalian cell cultures as recombinant, truncated, soluble antigens, in

Product Details

complex with β 2-microglobulin (HLA class I). 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-A*24:02
Background:	Human Leukozyte Antigen, human Antigen-presenting major histocompatibility complex class I (MHC I) molecule. Expressed on all cells, displays peptides to CD8-positive T cells. Involved in cellular immune response.
Molecular Weight:	approx. 50 kDa (38 kDa heavy chain + 12 kDa β 2m)
UniProt:	P04439

Application Details

Application Notes:	ELISA: 1 - 100 ng/mL
Comment:	sandwich ELISA, direct ELISA, bead ELISA, reactive with antibodies W6/32 and BBM.1 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:	TRIS based buffer, pH 8.0, 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

Handling

Expiry Date: 6 months