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Datasheet for ABIN7273165  
**HLA-A\*23:01 protein (SBP Tag)**

Overview

Quantity:	100 µL
Target:	HLA-A*23:01
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*23:01 complexed with $\beta$ 2-microglobulin (b2m)
Sequence:	<p><b>heavy chain:</b> GSHSMRYFST SVSRPGRGEP RFIAVGYVDD TQFVRFSDA ASQRMEPRAP WIEQEGPEYW DEETGKVKAH SQTRENRLRI ALRYYNQSEA GSHTLQMMFG CDVGS DGRFL RGYHQYAYDG KDYIALKEDL RSWTAADMAA QITQRKWEAA RVAEQLRAYL EGTCVDGLRR YLENGKETLQ RTDPPKTHMT HHPISDHEAT LRCWALGFYP AEITLTWQRD GEDQTQDTEL VETRPAGDGT FQKWA AVVVP SGEEQRYTCH VQHEGLPKPL TLRWEPSSQP TVHI</p> <p><b>light chain:</b> 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*23:01 complexed with b2m, P04439 / P61769</p> <p>HLA-A23 is a split antigen of the HLA-A9 serotype. HLA-A*23:01 differs from HLA-A*24:02 only in four amino acid residues and is mainly found in Blacks.</p>
Characteristics:	HLAs are produced in mammalian cell cultures as recombinant, truncated, soluble antigens, in

## Product Details

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complex with  $\beta$ 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

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Target:	HLA-A*23:01
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 $\beta$ 2m)
UniProt:	<a href="#">P04439</a>

## Application Details

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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

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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

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Expiry Date: 6 months