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Datasheet for ABIN7273164  
**HLA-A\*11:01 protein (SBP Tag)**

### Overview

Quantity:	100 µL
Target:	HLA-A*11:01
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*11:01 complexed with $\beta$ 2-microglobulin (b2m)
Sequence:	<p><b>heavy chain:</b> GSHSMRYFYT SVSRPGRGEP RFIAVGYVDD TQFVRFSDA ASQRMEPRAP WIEQEGPEYW DQETRNKAQ SQTDRVDLGT LRGYYNQSED GSHTIQIMYG CDVGPDGRFL RGYRQDAYDG KDYIALNEDL RSWTAADMAA QITKRKWEAA HAAEQRAYL EGRCVEWLRR YLENGKETLQ RTDPPKTHMT HHPISDHEAT LRCWALGFYP AEITLTWQRD GEDQTQDTEL VETRPAGDGT FQKWAAVVVP SGEEQRYTCH VQHEGLPKPL TLRWELSSQP TIPI</p> <p><b>light chain:</b> IQRTPKIQVY SRHPAENGKS NFLNCYVSGF HPSDIEVDLL KNGERIEKVE HSDLFSKDW SFYLLYYTEF TPTEKDEYAC RVNHVTL SQP KIVKWDRDM</p> <p>Sequences without tags. Tag location is at the discretion of the manufacturer.</p>
Specificity:	<p>HLA-A*11:01 complexed with b2m, P04439 / P61769</p> <p>HLA-A11 is particularly prevalent in the Oriental ethnic group with an average frequency of about 16%, ranging from 1% to 42%, but is also present in Australasian Aborigines and Caucasians. Endogenous peptides bound by HLA-A*11:01 are derived, for example, from</p>

## Product Details

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Thymosin  $\beta$ -10 or ribosomal proteins.

**Characteristics:** HLAs are produced in mammalian cell cultures as recombinant, truncated, soluble antigens, in 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\*11:01

**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 b2m)

**UniProt:** [P04439](#)

## 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

## Handling

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should be handled by trained staff only.

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Storage: 4 °C

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Expiry Date: 6 months