

Datasheet for ABIN7597304

HLA2 Protein (AA 223-344) (Fc Tag)



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Overview

Quantity:	10 µg
Target:	HLA2
Protein Characteristics:	AA 223-344
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HHLA2 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant human B7-H7(223-344) Protein with C-terminal human Fc tag
Sequence:	B7-H7(Gly223-Asn344) hFc(Glu99-Ala330)
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	HLA2
Alternative Name:	B7-H7 (HHLA2 Products)
Background:	B7y, B7H7, B7-H5, HHLA2 This gene encodes a protein ligand found on the surface of monocytes. The encoded protein is thought to regulate cell-mediated immunity by binding to a receptor on T lymphocytes and inhibiting the proliferation of these cells. Alternate splicing results in multiple transcript variants.

Target Details

[provided by RefSeq, Sep 2013]

Molecular Weight: predicted molecular mass of 40.2 kDa after removal of the signal peptide. The apparent molecular mass of B7-H7(223-344)-hFc is 55-70 kDa due to glycosylation.

UniProt: [Q9UM44](#)

Application Details

Application Notes: Extracellular Domain Proteins (ECD) can be used as:

- Immunogens for antibody drug development
- Reagents used for CAR-T positive cell monitoring
- Reagents for antibody screening and functional testing
- Reagents for antibody affinity measurement

Comment: The protein was made using HEK293 mammalian cell secretion expression system to ensure the close-to-native structures and post-translational modifications of the target protein.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization.

Storage: -20 °C, -80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months