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Datasheet for ABIN6809928

HHLA2 Protein (AA 23-344) (Fc Tag)

2 Images

Overview

Quantity:	100 µg
Target:	HHLA2
Protein Characteristics:	AA 23-344
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This HHLA2 protein is labelled with Fc Tag.

Product Details

Sequence:	AA 23-344
Purity:	>90 % as determined by reduced SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	HHLA2
Alternative Name:	B7-H7 (HHLA2 Products)
Background:	B7-H7 (HHLA2) is a newly identified B7 family member that regulates human T-cell functions. B7-H7 was previously known as human endogenous retrovirus-H long terminal repeat associating 2 (HHLA2) with unidentified function. Recently, B7-H7 has been identified as a specific ligand for human CD28H. The B7-H7-CD28H pathway strongly promoted CD4+ T-cell

Target Details

proliferation and cytokine production via an AKT-dependent signaling cascade in the presence of TCR signaling, suggesting B7-H7 comprises a new co-stimulatory pathway. The first IgV domain of B7-H7, which presumably binds to a putative receptor, shows the highest homology to other B7 family members.

Molecular Weight: 63.4 kDa

NCBI Accession: [NP_009003](#)

Application Details

Restrictions: For Research Use only

Handling

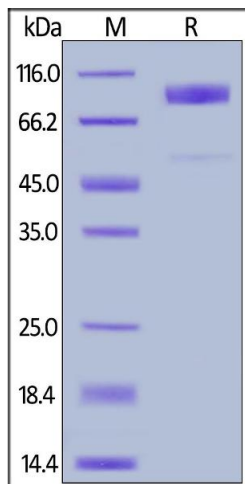
Format: Lyophilized

Buffer: Tris with Glycine, Arginine and NaCl, pH 7.5

Handling Advice: Please avoid repeated freeze-thaw cycles.

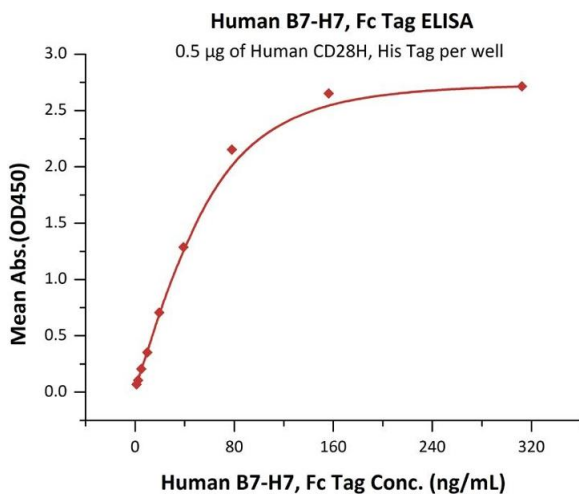
Storage: -20 °C

Images



SDS-PAGE

Image 1. Human B7-H7, Fc Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90 % .



ELISA

Image 2. Immobilized Human CD28H, His Tag (ABIN6731262,ABIN6809929) at 5 µg/mL (100 µL/well) can bind Human B7-H7, Fc Tag (ABIN6731324,ABIN6809928) with a linear range of 1-78 ng/mL (QC tested).