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Datasheet for ABIN7317747
SLAMF1 Protein (His tag)

Overview

Quantity:	100 µg
Target:	SLAMF1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This SLAMF1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human CD150/SLAMF1 Protein (His Tag)(Active)
Sequence:	Met 1-Pro 258
Characteristics:	A DNA sequence encoding the human SLAM (NP_003028.1) precursor (Met 1-Pro 258) with a C-terminal polyhistidine tag was expressed.
Purity:	> 97 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured by its ability to bind biotinylated recombinant human SH2D1A in a functional ELISA.

Target Details

Target:	SLAMF1
Alternative Name:	CD150/SLAMF1 (SLAMF1 Products)

Target Details

Background: Background: CD150/signaling lymphocytic activation molecule (SLAM) is a cell surface sialylated phosphoglycoprotein and belongs to the CD2 subset of the Ig superfamily of type I transmembrane glycoproteins. The CD150 receptor is expressed on thymocytes, activated and memory T cells, B cells, platelets, natural killer T cells, and mature dendritic cells, and is also detected on tumor cells of Hodgkin's lymphoma (HL) and diffuse large B-cell lymphoma with an activated B cell phenotype. Additionally, it is the immune cell receptor for measles virus (MV). As a self-ligand, CD150 performs diverse immunologic functions including T/B-cell costimulation, induction of IFN- γ in Th1 T-cell clones, redirection of Th2 clones to a Th1 or Th0 phenotype, and inhibition of apoptosis in B cells. Furthermore, CD150 was shown to be the second receptor for measles virus in addition to CD46, and the distribution of SLAM on various cell lines is consistent with their susceptibility to clinical isolates of measles virus. Synonym: Signaling Lymphocytic Activation Molecule, CDw150, IPO-3, CD150, SLAMF1, SLAM

Molecular Weight: 25.8 kDa

NCBI Accession: [NP_003028](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.