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Datasheet for ABIN7320356 CD226 Protein (CD226) (His tag)

Image



Overview

Quantity:	100 µg
Target:	CD226
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD226 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse CD226/DNAM-1 Protein (His Tag)(Active)
Sequence:	Met 1-Pro 254
Characteristics:	A DNA sequence encoding the mouse DNAM1 (NP_848802.2) extracellular domain (Met 1-Pro 254) was fused with a polyhistidine tag at the C-terminus.
Purity:	> 97 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per μ g of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized mouse DNAM1 at 2 µg/ml (100 µl/well) can bind mouse CD155 with a linear ranger of 6.4-160 ng/ml.

Target Details

Target:

CD226

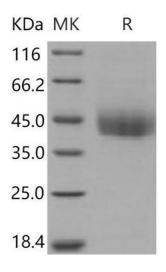
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Target Details	
Alternative Name:	CD226/DNAM-1 (CD226 Products)
Background:	Background: The cluster of differentiation (CD) system is commonly used as cell markers in immunophynotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules which associating with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. CD226, also known as PTA1 or DNAM- 1, is a member of the immunoglobulin superfamily containing 2 lg-like domains of the V-set. High rate of CD226 (Cluster of Differentiation 226) is found on the surface of natural killer cells, platelets, monocytes and a subset of T cells. CD226 have binding sites with CD112 and CD155 and mediate cellular adhesion to other cells containing its ligands.Immune CheckpointImmune Checkpoint Detection: ELISA Antibodies Immune Checkpoint Detection: FCM AntibodiesImmune Checkpoint ProteinsImmune Checkpoint Targets Co-stimulatory Immune Checkpoint Targets Immunotherapy Cancer Immunotherapy Targeted Therapy Synonym: CD226 antiger; platelet and T cell activation antigen 1; CD226 molecule; DNAM1 adhesion glycoprotein; DNAM-1;DNAX accessory molecule-1; DNAX accessory molecule 1; PTA1; T lineage-specific activation antigen 1 antiger; CD226; PTA1; TLiSA1;BC051526;DNAM- 1;DNAM1;Pta1;TLiSA1
Molecular Weight:	
NCBI Accession: Pathways:	NP_848802 Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Cancer Immune Checkpoints
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

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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.

Images



Western Blotting

Image 1.

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