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Datasheet for ABIN7194765

CD27 Protein (His tag)

1 Image

Overview

Quantity:	100 µg
Target:	CD27
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD27 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse CD27/TNFRSF7 Protein (His Tag)(Active)
Sequence:	Met 1-Arg 182
Characteristics:	A DNA sequence encoding the extracellular domain (Met 1-Arg 182) of mouse CD27 (NP_001028298.1) was fused with a polyhistidine tag at the C-terminus.
Purity:	> 96 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized recombinant mouse CD27 at 2 µg/ml (100 µl/well) can bind human CD70 with a linear range of 78-1250 pg/ml.

Target Details

Target:	CD27
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Target Details

Alternative Name: [CD27/TNFRSF7 \(CD27 Products\)](#)

Background: Background: CD27, also known as TNFRSF7, is a member of the TNF-receptor superfamily limited to cells of the lymphoid lineage, and exists as both a dimeric glycoprotein on the cell surface and as a soluble protein in serum. As a type I transmembrane glycoprotein of about 55 kDa existing as disulfide-linked homodimer, CD27 has been shown to play roles in lymphoid proliferation, differentiation, and apoptosis. It has important role in generation of T cell immunity, and is an apparently robust marker for normal memory B cells. It is a T and B cell co-stimulatory molecule, the activity of CD27 is governed by its TNF-like ligand CD70 on lymphocytes and dendritic cells. The CD27-CD70 interaction is required for Th1 generation responses to differentiation signals and long-term maintenance of T cell immunity, and meanwhile, plays a key role in regulating B-cell differentiation, activation and immunoglobulin synthesis. Immune Checkpoint Immune Checkpoint Detection: Antibodies Immune Checkpoint Detection: ELISA Antibodies Immune Checkpoint Detection: IHC Antibodies Immune Checkpoint Detection: ICC Antibodies Immune Checkpoint Detection: FCM Antibodies Immune Checkpoint Proteins Immune Checkpoint Targets Co-stimulatory Immune Checkpoint Targets Immunotherapy Cancer Immunotherapy Targeted Therapy

Synonym: CD27 antigen; CD27L receptor; T-cell activation antigen CD27; Tumor necrosis factor receptor superfamily member 7; S152; Tnfrsf7; Tp55

Molecular Weight: 19.6 kDa

NCBI Accession: [NP_001028298](#)

Pathways: [Production of Molecular Mediator of Immune Response, Cancer Immune Checkpoints](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

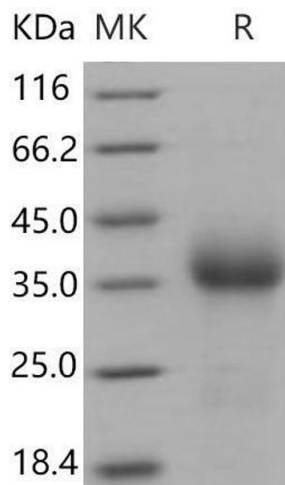
Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C, -20 °C, -80 °C

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.



Western Blotting

Image 1.