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Datasheet for ABIN7321144
CD63 Protein (CD63) (Fc Tag)

1 Image

Overview

Quantity:	100 µg
Target:	CD63
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD63 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Rat CD63/Tspan-30 Protein (Fc Tag)
Sequence:	Ala103-Val203
Characteristics:	A DNA sequence encoding the rat CD63 (P28648) (Ala103-Val203) was with the Fc region of mouse IgG1 at the N-terminus.
Purity:	> 85 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method

Target Details

Target:	CD63
Alternative Name:	CD63/Tspan-30 (CD63 Products)
Background:	Background: The cluster of differentiation (CD) system is commonly used as cell markers in immunophenotyping. 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

Target Details

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. Cluster of differentiation 63 (CD63) is a member of the CD family and the transmembrane 4 superfamily, also known as the tetraspanin family. CD63 is a cellular surface glycoprotein characterized by the presence of four hydrophobic domains. CD63 had functions in mediating signal transduction processes and then regulate variety of cellular processes such as cell proliferation, activation and motility. It has reported that CD63 protein associated with tumor progression and served as a blood platelet activation marker and the deficiency of this protein may be associated with Hermansky-Pudlak syndrome.

Synonym: CD63

Molecular Weight: 38.1 kDa

UniProt: [P28648](#)

Application Details

Restrictions: For Research Use only

Handling

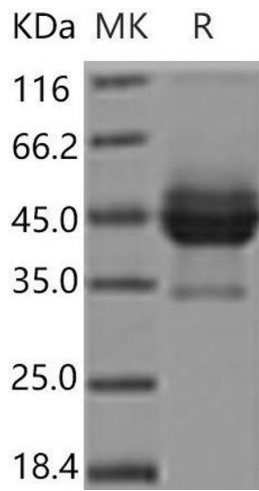
Format: Lyophilized

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.