

## 37-1027: Mouse CD63 / Tspan-30 / Tetraspanin-30 Recombinant Protein (Fc Tag, ECD)(Discontinued)

<b>Reactivity :</b>	Mouse
<b>Alternative Name :</b>	C75951 Protein, Mouse; ME491 Protein, Mouse; Tspan30 Protein, Mouse
<b>Immunogen Information :</b>	A DNA sequence encoding the mouse Cd63 (NP_031679.1) (Ala103-Ile203) was expressed with the Fc region of human IgG1 at the N-terminus.

### Description

#### Source : HEK293 Cells

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 more than 32 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.

### Product Info

<b>Amount :</b>	30 Recombinant Protein (Fc Tag, ECD)(Discontinued) / 100 µg
<b>Purification :</b>	> 95 % as determined by SDS-PAGE.
<b>Content :</b>	Formulation: lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Storage condition :</b>	Store under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Application Note

**Protein Construction:** A DNA sequence encoding the extracellular domain (ECD) of mouse CD63 (NP\_031679.1) (Ala103-Ile203) was expressed with the Fc region of human IgG1 at the N-terminus.

**Molecular Mass:** The recombinant mouse CD63 consists 361 amino acids with a predicted molecular mass of 39.9 kDa.

**Endotoxin:** < 1.0 EU per µg protein as determined by the LAL method.

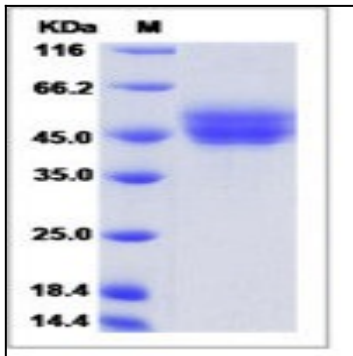


Fig 1: Mouse CD63 / Tspan-30 / Tetraspanin-30 Recombinant Protein (Fc Tag, ECD)