

Recombinant Mouse Cd63 Protein, N-hFc-tagged

Product Information

Cat	IMP-4271
Official Symbol	Cd63
Product Overview	Recombinant mouse Cd63 (NP_031679.1) (Ala103-Ile203) was expressed with the Fc region of human IgG1 at the N-terminus.
Description	<p>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 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 cell surface glycoprotein characterized by the presence of four hydrophobic domains. CD63 had functions in mediating signal transduction processes and then regulate a variety of cellular processes such as cell proliferation, activation and motility. It has been 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.</p>
Expression System	HEK293
Species	Mouse
Tag	N-hFc
Predicted N Terminal	Glu
Form	Lyophilized from sterile PBS, pH 7.4, 5 % trehalose, 5% mannitol and 0.01% Tween80.
Molecular Mass	The recombinant mouse Cd63 consists 361 amino acids and predicts a molecular mass of 39.9 kDa.
Protein length	Ala103-Ile203
Endotoxin	< 1.0 EU/μg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid

repeated freeze-thaw cycles.

Reconstitution

A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

SDS-PAGE

