

Recombinant Mouse CD27 protein, Mouse IgG2a Fc-tagged, low endotoxin

Cat. No. CD27-357M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse CD27 protein (Thr21-Arg182)(low endotoxin), fused to Mouse IgG2a Fc tag at C-terminus, was expressed in human 293 cells (HEK293).
Species	Mouse
Source	HEK293
ProteinLength	162
Description	CD Antigen CD27 is also known as Tumor necrosis factor receptor superfamily member 7 (TNFRSF7), which belongs to TNF-receptor superfamily. CD27/TNFRSF7 is found in most T-lymphocytes. CD27/TNFRSF7 is required for generation and long-term maintenance of T cell immunity. It binds to ligand CD70, and plays a key role in regulating B-cell activation and immunoglobulin synthesis. This receptor transduces signals that lead to the activation of NF-κB and MAPK8/JNK. CD27 has been shown to interact with SIVA1, TRAF2 and TRAF3.
Form	Lyophilized from 0.22 um filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 45.1 kDa. The protein migrates as 55-66 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 0.1 EU per ug by the LAL method.

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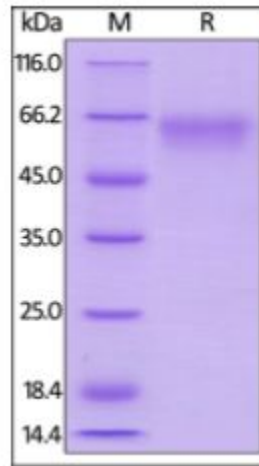
Purity	>95% as determined by SDS-PAGE.
Storage	<p>For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.</p> <p>Please avoid repeated freeze-thaw cycles.</p> <p>This product is stable after storage at:</p> <p>-20 centigrade to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.</p>
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
GENE INFORMATION	
Gene Name	CD27
Official Symbol	CD27
Synonyms	CD27; CD27 antigen; CD antigen 27; CD27L receptor; T-cell activation antigen CD27; tumor necrosis factor receptor superfamily member 7; tumor necrosis factor receptor superfamily, member 7; S152; Tp55; Tnfrsf7
Gene ID	21940
mRNA Refseq	NM_001033126
Protein Refseq	NP_001028298
UniProt ID	P41272

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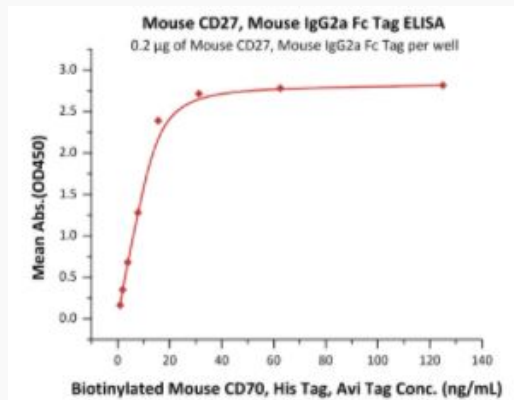
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SDS-PAGE of CD27-357M



Mouse CD27, Mouse IgG2a Fc Tag, low endotoxin on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

Bioactivity-ELISA of CD27-357M



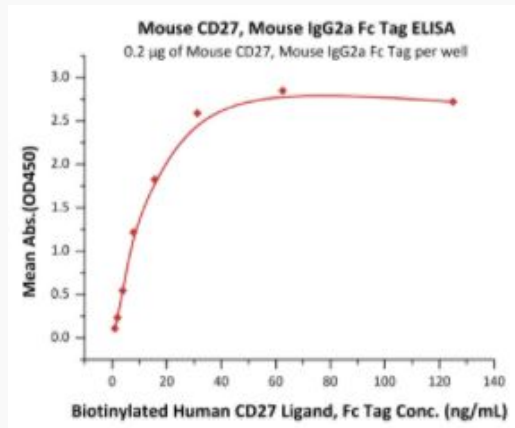
Immobilized Mouse CD27, Mouse IgG2a Fc Tag at 2 µg/mL (100 µL/well) can bind Biotinylated Mouse CD70, His Tag, Avi Tag with a linear range of 1-16 ng/mL (QC tested).

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**Bioactivity-ELISA of
CD27-357M**



Immobilized Mouse CD27, Mouse IgG2a Fc Tag at 2 µg/mL (100 µL/well) can bind Biotinylated Human CD27 Ligand, Fc Tag with a linear range of 1-16 ng/mL (Routinely tested).

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