Active Recombinant Mouse Cd27 Protein, His/Fc-tagged, Alexa Fluor 647 conjugated

Cat. No. Cd27-840MAF647 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Alexa Fluor 647 conjugated recombinant extracellular domain (Met 1-Arg 182) of mouse CD27 (NP_001028298.1) precursor was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	410
Form	Lyophilized
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized recombinant mouse CD27 at 2 μg/mL (100 μL/well) can bind biotinylated human CD70 with a linear range of 0.39-12.5 ng/mL.
Molecular Mass	The recombinant mouse CD27/Fc is a disulfide-linked homodimer after removal of the signal peptide. The reduced monomer consists of 410 amino acids and has a predicted molecular mass of 46.2 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rm CD27/Fc monomer is approximately 60-65 kDa due to glycosylation.
N-terminal Sequence Analysis	Thr 21

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Endotoxin	< 1.0 EU/ μg of the protein as determined by the LAL method.
Purity	> 94 % as determined by SDS-PAGE
Characteristic	Disulfide-linked homodimer Labeled with Alexa Fluor 647 via amines Excitation = 650 nm Emission = 668 nm
Stability	Samples are stable for up to 12 months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 to-70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Lyophilized from sterile PBS, pH 7.4, 5%-8% trehalose and mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 μg/μL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
Conjugation	Alexa Fluor 647

GENE INFORMATION

Gene Name	Cd27 CD27 antigen [Mus musculus]
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;

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Gene ID	21940
mRNA Refseq	NM_001033126
Protein Refseq	NP_001028298

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