

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

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

SPECIFICATION

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| 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

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| Gene Name | Cd27 CD27 antigen [<i>Mus musculus</i>] |
| 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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