

Recombinant Mouse CD48 Antigen, His-tagged

Cat. No. Cd48-3293M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cd27 (extracellular domain, Met 1 - Arg 182), fused with a His-tag at C-terminus, was expressed in <i>Human Cells</i> .
Species	Mouse
Source	Human Cells
Description	Mouse CD27, also known as TNFRSF7, is a member of the tumor necrosis factor receptor (TNFR) superfamily characterized by the presence of a Cys-knot motif in the extracellular region, which occurs three times in CD27. CD27 is a type I transmembrane glycoprotein of about 55 kDa existing as disulfide-linked homodimer, and has been shown to play roles in lymphoid proliferation, differentiation, and apoptosis. CD27 has been defined as a T and B cell co-stimulatory molecule, and its activity is governed by the transient availability of its TNF-like ligand CD70 on lymphocytes and dendritic cells. In man and mouse, CD27 is restricted to lymphoid cells and present on the great majority of naive CD4+ and CD8 + T cells.
Molecular Mass	The recombinant mouse CD27 consists of 173 amino acids after removal of the signal peptide and has a predicted molecular mass of 19.6 kDa. In SDS-PAGE under reducing conditions, rmCD27 migrates as an approximately 35 kDa band due to glycosylation.
Predicted N Terminal	Thr 21.
Purity	> 96 % as determined by SDS-PAGE.

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Formulation	Lyophilized from sterile PBS, pH 7.4.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	Cd27 CD27 antigen [<i>Mus musculus</i>]
Synonyms	Cd27; CD27 antigen; S152; Tp55; Tnfrsf7; CD antigen 27; CD27L receptor; OTTMUSP00000029268; OTTMUSP00000029269; OTTMUSP00000029270; T-cell activation antigen CD27; tumor necrosis factor receptor superfamily member 7; tumor necrosis factor receptor superfamily, member 7
Gene ID	21940
mRNA Refseq	NM_001033126
Protein Refseq	NP_001028298
UniProt ID	P41272
Chromosome Location	6 F3; 6 60.35 cM
Pathway	Cytokine-cytokine receptor interaction

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Function	protein binding; receptor activity
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