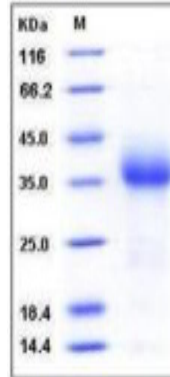


## Cd27

### Recombinant Mouse CD27 / TNFRSF7 (His Tag)

<b>Catalog No.</b>	CRM534A-His CRM534B-His	<b>Quantity:</b>	50 µg 100 µg
<b>Alternate Names:</b>	CD27 antigen, CD27L receptor, T-cell activation antigen CD27, Tumor necrosis factor receptor superfamily member 7, CD27		
<b>Description:</b>	CD27 is a member of the TNF-receptor superfamily limited to cells of the lymphoid lineage, and exists as both a dimeric glycoprotein on the cell surface and as a soluble protein in serum. As a type I transmembrane glycoprotein, CD27 has roles in lymphoid proliferation, differentiation, apoptosis, generation of T cell immunity, and is an apparently robust marker for normal memory B cells. It is a T and B cell co-stimulatory molecule, the activity of CD27 is governed by its TNF-like ligand CD7 on lymphocytes and dendritic cells. The CD27-CD7 interaction is required for Th1 generation responses to differentiation signals and long-term maintenance of T cell immunity, and meanwhile, plays a key role in regulating B-cell differentiation, activation and immunoglobulin synthesis.		
<b>UniProt ID:</b>	P41272		
<b>Accession Number:</b>	NP_001028298.1		
<b>Protein Construction:</b>	A DNA sequence encoding the extracellular domain (Met 1-Arg 182) of mouse CD27 was fused with a polyhistidine tag at the C-terminus.		
<b>Source:</b>	HEK293 Cells		
<b>Formulation:</b>	Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.		
<b>Molecular Weight:</b>	The rmCD27 consists of 173 aa after removal of the signal peptide with a predicted MW of 19.6 kDa and migrates at ~35 kDa in SDS-PAGE under reducing conditions, due to glycosylation.		
<b>Purity:</b>	> 96 % as determined by SDS-PAGE.		
<b>Endotoxin Level:</b>	< 1.0 EU per µg protein as determined by the LAL method.		
<b>Biological Activity:</b>	Measured by its binding ability in a functional ELISA. Immobilized recombinant mouse CD27 at 2 µg/ml (100 µl/well) can bind human CD70 with a linear range of 78-1250 pg/ml.		
<b>Predicted N-terminal:</b>	Thr 21		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipette the solution up and down the sides of the vial. <b>DO NOT VORTEX.</b> Allow several minutes for complete reconstitution.		
<b>Storage &amp; Stability:</b>	Stable for up to 1 year from date of receipt at -20°C to -80°C After reconstitution, store working aliquots at -20°C to -80°C. <b>Avoid repeated freeze-thaw cycles.</b>		

## SDS-PAGE



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