

## Recombinant Mouse CD27 Antigen, Fc Chimera

**Cat. No.** Cd27-3258M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Cat. No.</b>	Cd27-3258M
<b>Product Overview</b>	Recombinant mouse Cd27 protein (Met 1-Ile 189), fused with the Fc region of human IgG1 at the C-terminus, was expressed in <i>Human Cells</i> .
<b>Description</b>	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 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.
<b>Source</b>	Human Cells.
<b>Molecular Mass</b>	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.
<b>Predicted N Terminal</b>	Thr 21.

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Purity</b>	> 94 % as determined by SDS-PAGE.
<b>Formulation</b>	Lyophilized from sterile PBS , pH 7.4.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage And Stability</b>	Samples are stable for up to twelve months from date of receipt at -70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Protein length</b>	Met1-Ile189

## GENE INFORMATION

<b>Gene Name</b>	Cd27 CD27 antigen [ <i>Mus musculus</i> ]
<b>Synonyms</b>	Cd27; CD27 antigen; S152; Tp55; Tnfrsf7; CD27 antigen; 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
<b>Gene ID</b>	21940
<b>mRNA Refseq</b>	NM_001033126
<b>Protein Refseq</b>	NP_001028298
<b>UniProt ID</b>	P41272
<b>Chromosome Location</b>	6 F3; 6 60.35 cM

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<b>Pathway</b>	Cytokine-cytokine receptor interaction
<b>Function</b>	protein binding; receptor activity