

Recombinant Cynomolgus/Rhesus macaque CD27 protein, Mouse IgG2a Fc-tagged, low endotoxin

Cat. No. CD27-335C Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus/Rhesus macaque CD27 protein (Ala20-Arg191)(low endotoxin), fused to Mouse IgG2a Fc tag at C-terminus, was expressed in human 293 cells (HEK293).In the region Ala20-Arg191, the AA sequence of Cynomolgus and Rhesus macaque CD27 are homologous.
Species	Cynomolgus/Rhesus macaque
Source	HEK293
ProteinLength	172
Description	CD Antigen CD27 is also known as Tumor necrosis factor receptor superfamily member 7 (TNFRSF7), which belongs to TNF-receptor superfamily. CD27/TNFRSF7 is found in most T-lymphocytes. CD27/TNFRSF7 is required for generation and long-term maintenance of T cell immunity. It binds to ligand CD70, and plays a key role in regulating B-cell activation and immunoglobulin synthesis. This receptor transduces signals that lead to the activation of NF-κB and MAPK8/JNK. CD27 has been shown to interact with SIVA1, TRAF2 and TRAF3.
Form	Lyophilized from 0.22 um filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 46.2 kDa. The protein migrates as 50-66 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Endotoxin	Less than 0.1 EU per ug by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	<p>For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.</p> <p>Please avoid repeated freeze-thaw cycles.</p> <p>This product is stable after storage at:</p> <p>-20 centigrade to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.</p>
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

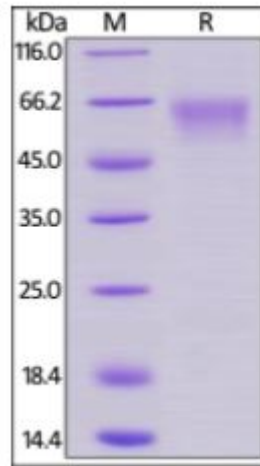
Gene Name	CD27
Official Symbol	CD27
Synonyms	TNFRSF7
Gene ID	712693
mRNA Refseq	XM_005569906.2
Protein Refseq	XP_005569963.1
UniProt ID	G7PJM7

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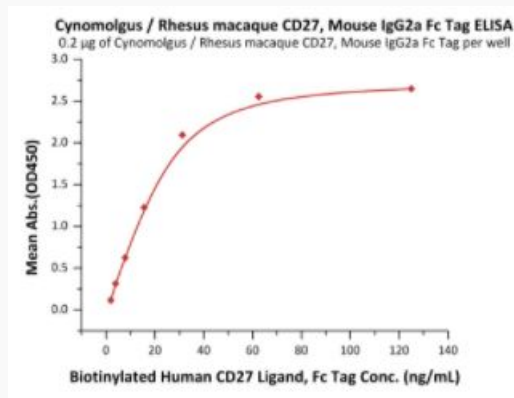
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SDS-PAGE of CD27-335C



Cynomolgus/Rhesus macaque CD27, Mouse IgG2a Fc Tag, low endotoxin on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

Bioactivity-ELISA of CD27-335C



Immobilized Cynomolgus/Rhesus macaque CD27, Mouse IgG2a Fc Tag at 2 µg/mL (100 µL/well) can bind Biotinylated Human CD27 Ligand, Fc Tag with a linear range of 2-31 ng/mL (QC tested).

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