CREATIVE BIOMART®
Immune Checkpoints

Recombinant Human CD27 protein, C-hFc-Avi Tag, Biotinylated

Product Information

Cat	*IMP-484*
Official Symbol	*CD27*
Product Overview	*Biotinylated Recombinant Human CD27 (NP_001233.2) (Met1-Ile192) was expressed in HEK293, fused with a c-terminal Fc region of Human IgG1 tagged AVI tag at the C-terminus.*
Description	*CD27, also known as TNFRSF7, 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 of about 55 kDa existing as disulfide-linked homodimer, CD27 has been shown to play roles in lymphoid proliferation, differentiation, and apoptosis.It has an important role in the generation of T cell immunity and is an 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 CD70 on lymphocytes and dendritic cells. The CD27-CD70 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.*
Expression System	*HEK293*
Species	*Human*
Tag	*C-hFc-Avi Tag*
Predicted N Terminal	*Thr 21*
Form	*Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.*
Molecular Mass	*The recombinant human CD27 consists of 425 amino acids and predicts a molecular mass of 47.8 kDa.*
Protein length	*Met1-Ile192*
Endotoxin	*< 1.0 EU per μg protein as determined by the LAL method.*
Purity	*> 95 % as determined by SDS-PAGE.*
Storage	*Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.*

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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.*

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