

CD27

Recombinant Human CD27 / TNFRSF7 (Fc Tag)

Catalog No.	CRH380A-Fc CRH380B-Fc	Quantity:	100 µg 200 µg
Alternate Names:	CD27 antigen, Tumor necrosis factor receptor superfamily member 7, TNFRSF7, CD27L receptor, T-cell activation antigen CD27, T14		
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 important role in 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.		
UniProt ID:	P26842		
Accession Number:	NP_001233.1		
Protein Construction:	A DNA sequence encoding the human CD27 (Met1-Ile192) was expressed with the Fc region of human IgG1 at the C-terminus.		
Source:	HEK293 Cells		
Molecular Weight:	The recombinant human CD27 consists of 411 amino acids and predicts a molecular mass of 46.1 kDa.		
Formulation:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.		
Purity:	> 90 % as determined by SDS-PAGE.		
Endotoxin Level:	< 1.0 EU per µg protein as determined by the LAL method		
Biological Activity:	Testing in progress		
Predicted N-terminal:	Ala 20		
Reconstitution:	Centrifuge vial prior to opening. 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. DO NOT VORTEX. Allow several minutes for complete reconstitution.		
Storage & Stability:	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. Avoid repeated freeze-thaw cycles.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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