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32-17087: Recombinant human CD27 protein with C-terminal human Fc tag

Alternative Name : CD27, TNFRSF7, S152, T14, Tp55

Description

Expression Host : HEK293
The protein has a predicted molecular mass of 45.3 kDa after removal of the signal peptide.The apparent molecular mass of CD27-hFC is approximately 55-70 kDa due to glycosylation.
The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor 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-kappaB and MAPK8/JNK. Adaptor proteins TRAF2 and TRAF5 have been shown to mediate the signaling process of this receptor. CD27-binding protein (SIVA), a proapoptotic protein, can bind to this receptor and is thought to play an important role in the apoptosis induced by this receptor.

Product Info

Amount :	50 µg
Purification :	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Content :	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage condition :	Store at -80°C for 12 months (Avoid repeated freezing and thawing)

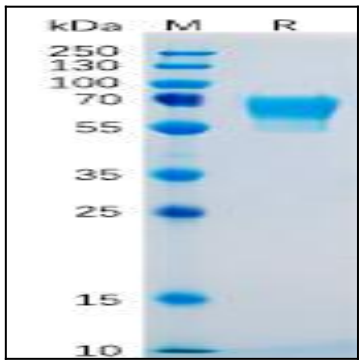


Figure 1. Human CD27 Protein, hFc Tag on SDS-PAGE under reducing condition.

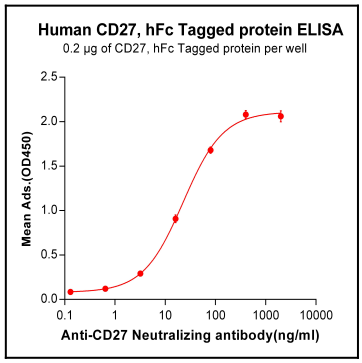


Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human CD27, hFc tagged protein can bind Anti-CD27 Neutralizing antibody in a linear range of 3.2-80.0 ng/ml.

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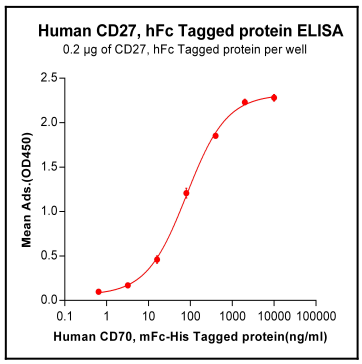


Figure 3. ELISA plate pre-coated by 2 μg/ml (100 μl/well) Human CD27, hFc tagged protein can bind Human CD70,mFc-His tagged protein in a linear range of 3.2-400 ng/ml.

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