Active Recombinant Human CD70 protein, Fc-tagged, R-PE labeled

Cat. No. CD70-639P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD70 protein, Fc-tagged was Conjugated with NH2-Reactive R-PE(R-Phycoerythrin).
Species	Human
Source	HEK293
ProteinLength	Gln 39-Pro 193
Form	Lyophilized from sterile 50 mM Tris, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized Human CD27 His at 2 μg/ml (100 μl/well) can bind Human CD70 hFc, the EC50 of Human CD70 hFc is 15-60 ng/mL.
Molecular Mass	The recombinant human CD70/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 413 amino acids and predicts a molecular mass of 45.5 kDa. As a result of different glycosylation, the rh CD70/Fc migrates as several bands with the approximate molecular mass of 55-60, 110-120 and 160-170 kDa corresponding to the monomeric, dimeric and trimeric form respectively in SDS-PAGE under reducing conditions.

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Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.
Purity	> 90 % 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.
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℃ before opening to recover the entire contents.
Conjugation	R-PE

GENE INFORMATION

Gene Name	CD70 CD70 molecule [Homo sapiens]
Official Symbol	CD70
Synonyms	CD70; CD70 molecule; CD27LG, TNFSF7, tumor necrosis factor (ligand) superfamily, member 7; CD70 antigen; CD27L; CD27-L; CD27 ligand; Ki-24 antigen; surface antigen CD70; tumor necrosis factor ligand superfamily member 7; tumor necrosis factor (ligand) superfamily, member 7; CD27LG; TNFSF7;
Gene ID	970
mRNA Refseq	NM_001252
Protein Refseq	NP_001243
MIM	602840

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UniProt ID	P32970

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