

Active Recombinant Human CD27 Protein, Fc-tagged, FITC conjugated

Cat. No. CD27-180HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	FITC conjugated recombinant human CD27 (P26842) (Met1-Ile192) was expressed, fused with the Fc region of rabbit IgG at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	396
Form	Lyophilized
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized human CD27-his at 10 µg/mL (100 µL/well) can bind biotinylated human CD70-Fc, The EC50 of biotinylated human CD70-Fc is 95-150 ng/mL.
Molecular Mass	The recombinant human CD27/rFc is a disulfide-linked homodimer. The reduced monomer comprises 396 amino acids and has a predicted molecular mass of 44.4 kDa. The apparent molecular mass of the protein is approximately 63 kDa in SDS-PAGE under reducing conditions.
N-terminal Sequence Analysis	Ala 20
Endotoxin	< 1.0 EU/ µg of the protein as determined by the LAL method.

 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

Purity	> 95 % as determined by SDS-PAGE
Characteristic	<p>Disulfide-linked homodimer</p> <p>Labeled with FITC via amines</p> <p>Excitation source: 488 nm spectral line, argon-ion laser</p> <p>Excitation Wavelength: 488 nm</p> <p>Emission Wavelength: 535 nm</p>
Stability	Samples are stable for up to 12 months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 to-70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Lyophilized from sterile PBS, pH 7.4, 5%-8% trehalose and mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
Conjugation	FITC

GENE INFORMATION

Gene Name	CD27 CD27 molecule [Homo sapiens]
Official Symbol	CD27
Synonyms	CD27; CD27 molecule; TNFRSF7, tumor necrosis factor receptor superfamily, member 7; CD27 antigen; S152; Tp55; CD27L receptor; T cell activation antigen S152; T-cell activation antigen CD27; tumor necrosis factor receptor superfamily, member 7; T14; TNFRSF7; MGC20393;

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Gene ID	939
mRNA Refseq	NM_001242
Protein Refseq	NP_001233
MIM	186711
UniProt ID	P26842

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