Active Recombinant Human CD40LG Protein, Fc/Avi-tagged, Biotinylated, Alexa Fluor 555 conjugated

Cat. No. CD40LG-280HAF555 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated, Alexa Fluor 555 conjugated Human CD40 Ligand, Fc Tag is expressed from HEK293 cells. It contains AA Met 113 - Leu 261 (Accession # P29965-1). This protein carries an Avi tag at the N-terminus, followed by a human IgG1 Fc tag.
Species	Human
Source	HEK293
ProteinLength	113-261 a.a.
Form	Lyophilized
Bio-activity	Immobilized Human CD40, His Tag at 2 μg/mL (100 μL/well) can bind Biotinylated Human CD40 Ligand, Fc Tag with a linear range of 1-31 μg/mL.
Molecular Mass	The protein has a calculated MW of 45.0 kDa. The protein migrates as 50-55 kDa under reducing condition (SDS-PAGE) due to glycosylation.
N-terminal Sequence Analysis	Gly
Endotoxin	< 1.0 EU/ μg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE

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Characteristic	Disulfide-linked homodimer Labeled with Alexa Fluor 555 via amines With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be efficiently excited using a 543 nm He-Ne laser line and detected under standard TRITC/Cy3 filters.
Stability	Samples are stable for up to 12 months from date of receipt at -70 centigrade.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. No activity loss is observed after storage at: 4-8 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from 0.22 μm filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5, 10% trehalose.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 μg/μL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
Conjugation	Biotin

GENE INFORMATION

Gene Name	CD40LG CD40 ligand [Homo sapiens]
Official Symbol	CD40LG
Synonyms	CD40LG; CD40 ligand; HIGM1, IMD3, TNFSF5, tumor necrosis factor (ligand)

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	superfamily, member 5 (hyper IgM syndrome); CD40 antigen ligand; CD40L; CD154; gp39; hCD40L; hyper IgM syndrome; T B cell activating molecule; TNF related activation protein; TRAP; tumor necrosis factor (ligand) superfamily member 5; CD40-L; T-cell antigen Gp39; T-B cell-activating molecule; TNF-related activation protein; IGM; IMD3; HIGM1; T-BAM; TNFSF5;
Gene ID	959
mRNA Refseq	NM_000074
Protein Refseq	NP_000065
MIM	300386
UniProt ID	P29965

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