Active Recombinant Human CD40LG protein, hFc-Flag-tagged

Cat. No. CD40LG-847H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD40LG protein(P29965)(13-261aa), fused to N-terminal hFc and Flag tags, was expressed in Mammalian cell.
Species	Human
Source	Mammalian Cells
ProteinLength	13-261aa
Form	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Bio-activity	1. Measured by its binding ability in a functional ELISA. Immobilized CD40L at 2 μg/ml can bind Anti- CD40L Rabbit Monoclonal Antibody, the EC50 is 2.353-3.232 ng/ml. 2. Measured by its binding ability in a functional ELISA. Immobilized CD40 at 2 μg/ml can bind CD40L, the EC50 is 3.112-3.858 ng/ml. 3. Human CD40 protein hFc tag captured on COOH chip can bind Human CD40L protein hFc and Flag tag with an affinity constant of 2.06 nM as detected by LSPR Assay.
Molecular Mass	44.5KDa
AA Sequence	MQKGDQNPQIAAHVISEASSKTTSVLQWAEKGYYTMSNNLVTLENGKQLTVKRQGL YYIYAQVTFCSNREASSQAPFIASLCLKSPGRFERILLRAANTHSSAKPCGQQSIHLG GVFELQPGASVFVNVTDPSQVSHGTGFTSFGLLKL

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Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Purity	Greater than 93% as determined by SDS-PAGE.
Storage	Store at -20°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Reconstitution	Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C.

GENE INFORMATION

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

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UniProt ID	P29965

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