PRODUCT INFORMATION

Target	CD40 Ligand
Synonyms	CD40-L;TRAP;CD154;Cd40lg
Description	Recombinant mouse CD40L protein with N-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P27548
Expression Host	HEK293
Tag	N-Human Fc Tag
Molecular Characterization	hFc(Glu99-Ala330) Mouse CD40 Ligand(Gly115-Leu260)
Molecular Weight	The protein has a predicted molecular mass of 42.1 kDa after removal of the signal peptide. The apparent molecular mass of hFc-CD40L is approximately 40-55 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	Cytokine that binds to CD40/TNFRSF5. Costimulates T-cell proliferation and cytokine production. Its cross-linking on T-cells generates a costimulatory signal which enhances the production of IL4 and IL10 in conjunction with the TCR/CD3 ligation and CD28 costimulation. Induces the activation of NF-kappa-B and kinases MAPK8 and PAK2 in T-cells (By similarity). Mediates B-cell proliferation in the absence of co-stimulus as well as IgE production in the presence of IL4. Involved in immunoglobulin class switching (PubMed:1374165).[UniProtKB/Swiss-Prot Function]
Usage	Research use only
Conjugate	Unconjugated

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Mouse CD40 Ligand Protein, hFc Tag

Cat. No. PME-M100068

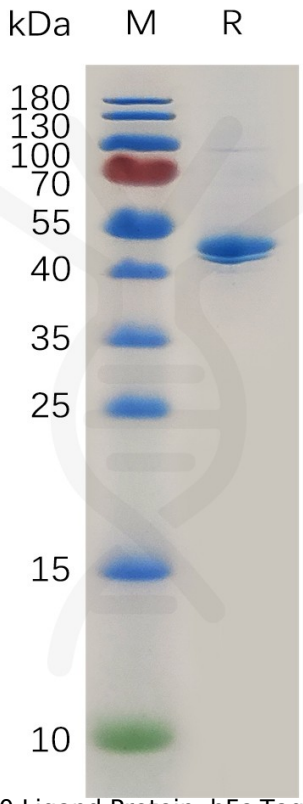


Figure 1. Mouse CD40 Ligand Protein, hFc Tag on SDS-PAGE under reducing condition.

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