

## Recombinant Mouse CD40LG Protein, Fc-tagged

Cat. No. CD40LG-637M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse CD40LG protein with Fc tag was expressed in HEK293.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	260
<b>Description</b>	Predicted to enable CD40 receptor binding activity and integrin binding activity. Involved in isotype switching. Acts upstream of or within B cell differentiation and regulation of immunoglobulin production. Located in external side of plasma membrane. Is expressed in Meckel's cartilage; dorsal root ganglion; and limb. Used to study inflammatory bowel disease and systemic lupus erythematosus. Human ortholog(s) of this gene implicated in several diseases, including Kawasaki disease; artery disease (multiple); autoimmune disease (multiple); combined T cell and B cell immunodeficiency (multiple); and hematologic cancer (multiple). Orthologous to human CD40LG (CD40 ligand).
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	42.9 kDa
<b>AA Sequence</b>	MIETYSQPSPRSVATGLPASMKIFMYLLTVFLITQMIGSVLFAVYLHRRLDKVEEEVNL HEDFVFIKCLKRCNKGEGLSLLNCEEMRRQFEDLVKDITLNKEEKENSFEMQRGD EDPQIAAHVVSEANSNAASVLQWAKKGYTMTKSNLVMLENGKQLTVKREGLYYVYT

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QVTFCSNREPSSQRPFIVGLWLKPSSGSERILLKAANTHSSSQLCEQQSVHLGGVF  
ELQAGASVFNVTASQVIHRVGFSSFGLLKL

**Purity** > 98%

**Applications** WB; ELISA; FACS; FC

**Stability** This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

**Storage** At -20 centigrade.

**Concentration** 1 mg/mL

**Storage Buffer** PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

**Reconstitution** Reconstitute in sterile distilled H<sub>2</sub>O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

## GENE INFORMATION

**Gene Name** Cd40lg CD40 ligand [ *Mus musculus* (house mouse) ]

**Official Symbol** CD40LG

**Synonyms** CD40LG; CD40 ligand; T-cell antigen Gp39; TNF-related activation protein; tumor necrosis factor ligand superfamily member 5; IGM; IMD3; Ly62; TRAP; gp39; CD154; Cd40l; HIGM1; Ly-62; T-BAM; CD40-L; Tnfsf5;

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<b>Gene ID</b>	21947
<b>mRNA Refseq</b>	NM_011616
<b>Protein Refseq</b>	NP_035746
<b>UniProt ID</b>	P27548

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