



Anti-Human TNFSF5 (CD40 Ligand) (#14B63)

20230310DS



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	101-M849
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse) immunized with human recombinant protein of TNFSF5 extracellular domain.

Target Background

Synonyms (Target):	CD40LG; IGM; IMD3; TRAP; gp39; CD154; CD40L; HIGM1; T-BAM; TNFSF5; hCD40L
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CD40 ligand (CD40L), also known as CD154, TNFSF5, TRAP or gp39, is a 260 amino acid type II transmembrane glycoprotein belonging to the TNF family. Murine CD40L consists of a 22 aa cytoplasmic domain, a 24 aa transmembrane domain, and 214 aa extracellular domain bearing a single glycosylation site. CD40L is expressed predominantly on activated CD4+ T lymphocytes, and also found in other types of cells, including NK cells, mast cells, basophils and eosinophils. Murine CD40L shares 78% amino acid sequence identity with human CD40L. Native bioactive soluble CD40L exists. Soluble human trimeric CD40L secreted by stimulated T cells has been shown to be generated by proteolysis in the microsomes. Both membrane bound and soluble CD40L induce similar effects on B cells.

Database References Target

Protein RefSeq:	NP_000065.1
Uniprot ID:	P29965
mRNA RefSeq:	NM_000074.2

Product Specifications

Host	Mouse
Reactivity against	Human
Clonality	Monoclonal Antibody
Clone	(#14B63)
Isotype	IgG2
Purification	Protein G chromatography
Antigen	recombinant human TNFSF5 EC domain
Formulation	lyophilized
Reconstitution buffer	PBS

Application/Handling

Reconstitution: Centrifuge vial prior to opening. Reconstitute the antibody with 500 µl sterile PBS and the final concentration is 200 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20°C for at least for six months without detectable loss of activity.



AVOID REPEATED FREEZE AND THAW CYCLES!

Applications

The antibody can be used within the following applications:
WB

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!