

Mouse CD154 Monoclonal Antibody | anti-CD154 antibody

MOUSE ANTI HUMAN CD154 (CD40L)

CATALOG # AAA49275	HOST Mouse	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD154; Monoclonal Antibody; MOUSE ANTI HUMAN CD154 (CD40L); CD40L; TNFSF5; TRAP; anti-CD154 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	TRAP-1
Specificity	Mouse Anti Human CD154 antibody, clone TRAP-1 recognizes the human CD40 ligand, also known as CD154, TNF-related activation protein (TRAP) or T-cell antigen Gp39. CD154 is a 261 amino acid ~32kDa single pass type-1 transmembrane glycoprotein (UniProt: P29965). CD154 is expressed on activated T lymphocytes, predominantly CD4 +ve and also on some basophils and mast cells. Mouse anti Human CD154 antibody, clone TRAP-1 binds to CD154 at an epitope distinct from the CD40 binding site (Krocze et al. 1994).
Form/Format	Purified IgG - liquid
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	261
Applicable Applications for anti-CD154 antibody	FCM/FACS (Flow Cytometry)
Perservative Stabilisers	<0.1% Sodium Azide (NaN ₃) 0.1% Bovine Serum Albumin
Preparation	Purified IgG prepared by affinity chromatography on Protein A from ascites
Buffer Solution	Phosphate buffered saline
Target Species	Human
Immunogen	Mouse myeloma cell line transfected with human CD40L (CD154)
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse P3X63.Ag 8653 myeloma cell line
Preparation and Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557433
NCBI GeneID	959
NCBI Accession #	NP_000065.1

NCBI GenBank Nucleotide #	NM_000074.2
UniProt Accession #	P29965
NCBI Official Full Name	CD40 ligand
NCBI Official Synonym Full Names	CD40 ligand
NCBI Official Symbol	CD40LG
NCBI Official Synonym Symbols	IGM; IMD3; TRAP; gp39; CD154; CD40L; HIGM1; T-BAM; TNFSF5; hCD40L
NCBI Protein Information	CD40 ligand; CD40 antigen ligand; CD40-L; T-B cell-activating molecule; T-cell antigen Gp39; TNF-related activation protein; tumor necrosis factor (ligand) superfamily member 5
UniProt Protein Name	CD40 ligand
UniProt Gene Name	CD40LG
UniProt Synonym Gene Names	CD40L; TNFSF5; TRAP; CD40-L; TRAP
UniProt Entry Name	CD40L_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd154-antibody-clone-trap-1-flow-cytometry-elisa/49275>