



Anti-CD40LG monoclonal antibody, clone 39H5 [R-PE] (CABT-47159HM)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Hamster anti Mouse CD154 antibody, clone 39H5 recognizes the murine CD40 ligand, also known as CD40L or CD154. CD154 is a ~39kDa cell surface glycoprotein . CD154 is expressed by activated CD4+ve T lymphocytes. Hamster anti Mouse CD154 antibody, clone 39H5 is routinely tested in flow cytometry on mouse CD40L transfected L cells. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul. The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity fc receptors.
Specificity	CD40LG
Immunogen	L cells transfected with CD40L
Isotype	IgG
Source/Host	Hamster
Species Reactivity	Mouse
Clone	39H5
Conjugate	PE
Applications	FC
Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised
Size	100 tests
Preservative	0.09% Sodium Azide
Storage	Prior to reconstitution store at +4°C. Following reconstitution store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected

from light. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	Cd40lg CD40 ligand [<i>Mus musculus</i> (house mouse)]
Official Symbol	CD40LG
Synonyms	CD40LG; CD40 ligand; IGM; IMD3; Ly62; TRAP; gp39; CD154; Cd40l; HIGM1; Ly-62; T-BAM; CD40-L; Tnfsf5; T-cell antigen Gp39; TNF-related activation protein; tumor necrosis factor ligand superfamily member 5;
Entrez Gene ID	21947
Protein Refseq	NP_035746
UniProt ID	P27548
Chromosome Location	X A5; X 31.21 cM
Pathway	Adaptive Immune System; Allograft rejection; Asthma; Autoimmune thyroid disease; Cell adhesion molecules (CAMs); Cytokine-cytokine receptor interaction; Id Signaling Pathway; Immune System;
Function	CD40 receptor binding; cytokine activity; tumor necrosis factor receptor binding;