



# Anti-CD40LG monoclonal antibody, clone 39H5 [FITC] (CABT-47154HM)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	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.
<b>Specificity</b>	CD40LG
<b>Immunogen</b>	L cells transfected with CD40L
<b>Isotype</b>	IgG
<b>Source/Host</b>	Hamster
<b>Species Reactivity</b>	Mouse
<b>Clone</b>	39H5
<b>Conjugate</b>	FITC
<b>Applications</b>	FC
<b>Format</b>	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid
<b>Size</b>	100 µg
<b>Preservative</b>	See individual product datasheet
<b>Storage</b>	in frost free freezers is not recommended. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody.

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

## GENE INFORMATION

Gene Name	<a href="#">Cd40lg_CD40 ligand [ Mus musculus (house mouse) ]</a>
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	<a href="#">21947</a>
Protein Refseq	<a href="#">NP_035746</a>
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;