



Anti-CD40LG monoclonal antibody, clone MK13A4 (CABT-47147MH)

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

PRODUCT INFORMATION

Product Overview	Mouse anti Human CD154 antibody, clone MK13A4 recognizes the human CD154 cell surface antigen, a 32kDa glycoprotein also known as CD40 ligand. CD154 is expressed on activated T lymphocytes, predominantly CD4+ve cells and also on some basophils and mast cells. ouse anti Human CD154 antibody, clone MK13A4has been reported to block binding of CD40 ligand to its receptor CD40. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul.
Specificity	CD40LG
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	MK13A4
Conjugate	Unconjugated
Applications	FC; FA
Format	Purified IgG - liquid
Size	100 µg
Preservative	None
Storage	in frost free freezers is not recommended. 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	CD40LG CD40 ligand [Homo sapiens (human)]
Official Symbol	CD40LG
Synonyms	CD40LG; CD40 ligand; IGM; IMD3; TRAP; gp39; CD154; CD40L; HIGM1; T-BAM; TNFSF5; hCD40L; CD40-L; CD40 antigen ligand; T-cell antigen Gp39; T-B cell-activating molecule; TNF-related activation protein; tumor necrosis factor (ligand) superfamily member 5;
Entrez Gene ID	959
Protein Refseq	NP_000065
UniProt ID	P29965
Chromosome Location	Xq26
Pathway	Adaptive Immune System; Allograft Rejection; Allograft rejection; Asthma; Autoimmune thyroid disease; CD40/CD40L signaling; Calcineurin-regulated NFAT-dependent transcription in lymphocytes; Calcium signaling in the CD4+ TCR pathway;
Function	CD40 receptor binding; cytokine activity; tumor necrosis factor receptor binding;