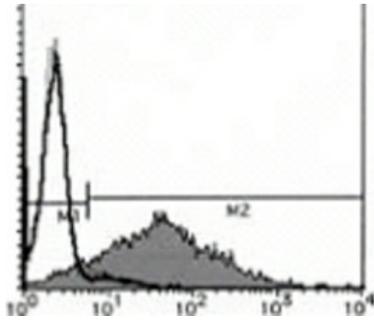




Catalog Number	GTX13546	Package:50 µg
Product Name	CD40L antibody [5F3]	
Full Name	CD40 ligand	
Synonyms	TRAP, IMD3, CD40L, 300386, 959, IGM, TNFSF5, HIGM1, CD40LG, CD154, gp39, TBAM, hCD40L, P29965, T-BAM, T BAM	
Product Description	Mouse monoclonal [5F3] to CD40L	
Background	CD40 ligand (CD40L), also known as CD154, gp39 and TRAP, is a 33 kDa type II membrane glycoprotein expressed mainly on the cell surface of activated T lymphocytes, but also exists as a soluble form extracellularly. CD40L is the ligand for CD40, a member of the TNF superfamily, which is expressed on the cell surface of B cells, macrophages/monocytes, dendritic cells, vascular endothelial cells, and epithelial cells. CD40L plays an important role in B cell proliferation, antibody class switching, modulation of apoptosis in the germinal center through interaction with B cells expressing CD40, and activation of CD4+ T cells. Mutation within the CD40L gene is linked to hyper IgM syndrome, an X-linked immunodeficiency disease that is characterized by elevated level of serum IgM and decreased level of other isotypes.	
Host	Mouse	
Clonality	Monoclonal	
Clone Name	5F3	
Isotype	IgG1	
Target	CD40L	
Immunogen	Human CD40L (CD154) transfected 300-19 cell (Mouse pre-B cell line).	
Antigen Species	Human	
Species Reactivity	Human	
Applications	FACS	
Application Note	FACS: Use at a concentration of 5 - 10 µg/ml. Not tested in other applications. Optimal dilutions/concentrations should be determined by the end user.	
Cellular Localization	Type II membrane protein. Also exists as an extracellular soluble form.	
Form Supplied	Liquid	
Purification	Protein A purified	
Purification Note	This antibody is affinity purified.	
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration)	
Storage Buffer	Preservative: NoneConstituents: 1% Sucrose, PBS, pH 7.2.	
Storage Instruction	Keep as concentrated solution. Store at 4°C short term. For extended storage aliquot and store at -20°C or below. Avoid freeze-thaw cycles.	
Notes	For <i>In vitro</i> laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.	
ResearchArea	Cancer > Apoptosis > Anti-apoptosis Cell Biology > Apoptosis > Anti-apoptosis Cell Biology > Cell adhesion > Cell-cell adhesion > Leukocyte	



GTX13546 FACS Image

Flow cytometric analysis of CD154 expression on cells transfected with CD154 vector. Cells were stained with isotype control (open histogram) or CD40L (CD154) mAb (5F3) (shaded histogram).