

Mouse anti-Human CD40 Monoclonal Antibody | anti-CD40 antibody

Anti-Human CD40 Monoclonal Antibody (PerCP/Cy5.5 Conjugated)

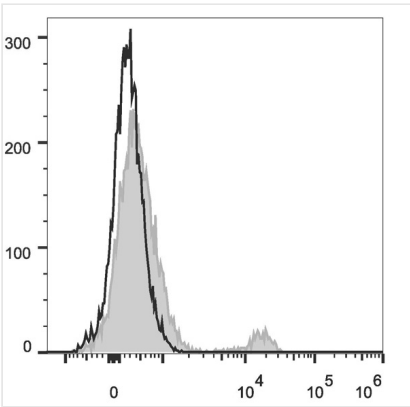
CATALOG # AAA174739	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD40; Monoclonal Antibody; Anti-Human CD40 Monoclonal Antibody (PerCP/Cy5.5 Conjugated); Tumor necrosis factor receptor superfamily member 5; Cd40; B-cell surface antigen CD40; Bp50; CD40L receptor; Tnfrsf5; anti-CD40 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a, kappa
Clone Number	3A8
Form/Format	Liquid; Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant
Sequence Length	277
Applicable Applications for anti-CD40 antibody	FCM/FACS (Flow Cytometry)
Conjugation	PerCP/Cyanine5.5
Conjugation Note	PerCP/Cyanine5.5 is designed to be excited by the blue laser (488 nm) and detected using an optical filter centered near 675 nm (e.g., a 690/50 nm bandpass filter)
Note	Centrifuge before opening to ensure complete recovery of vial contents
Preparation and Storage	Store at 2~8°C and protect from prolonged exposure to light. Do not freeze. Keep as concentrated solution.



FCM/FACS (Flow Cytometry)
Each lot of this antibody is quality control tested by flow cytometric analysis. The amount of the reagent is suggested to be used 5 uL of antibody per test (million cells in 100 uL staining volume or per 100 uL of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. Human peripheral blood lymphocytes are stained with PerCP/Cyanine5.5 Anti-Human CD40 Monoclonal Antibody (filled gray histogram). Unstained lymphocytes (empty black histogram) are used as control.

ADDITIONAL INFORMATION

Related Product Information for anti-CD40 antibody	CD40 is a 48 kD type I glycoprotein also known as BP50. It is a member of the TNFR superfamily primarily expressed on B cells, macrophages, follicular dendritic cells, endothelial cells, fibroblasts, and at low levels on plasma cells. CD40 has been reported to be involved in B cell differentiation, costimulation, isotype class-switching, and protection of B cells from apoptosis. Additionally, CD40 is important for T cell-B cell interactions. The ligand of CD40 is CD154 (CD40 ligand). The 5C3 antibody has been reported to promote B cell proliferation in the presence of anti-IgM, IL-4 or PMA, partially blocking CD40 binding to CD40L, and B cells rescue from apoptosis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507581
NCBI GeneID	958
NCBI Accession #	NP_001241.1
NCBI GenBank Nucleotide #	NP_001241.1
UniProt Accession #	P25942
NCBI Official Full Name	tumor necrosis factor receptor superfamily member 5 isoform 1
NCBI Official Synonym Full Names	CD40 molecule
NCBI Official Symbol	CD40
NCBI Official Synonym Symbols	p50; Bp50; CDW40; TNFRSF5
NCBI Protein Information	tumor necrosis factor receptor superfamily member 5
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 5
UniProt Gene Name	CD40
UniProt Synonym Gene Names	TNFRSF5
UniProt Entry Name	TNR5_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.

