

Mouse CD40 Monoclonal Antibody | anti-CD40 antibody

Mouse Monoclonal [clone HB14] (IgG1,k) to Human CD40

CATALOG # AAA51793	HOST Mouse	REACTIVITY Human, Monkey	APPLICATIONS Flow Cytometry, Functional Assay, Immunohistochemistry
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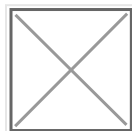
PRODUCT SYNONYMS

CD40; Monoclonal Antibody; Mouse Monoclonal [clone HB14] (IgG1; k) to Human CD40; Anti-CD40 Antibody (clone HB14) IHC-plus; B-cell surface antigen CD40; B cell-associated molecule; B cell surface antigen CD40; CD40 antigen; CD40 type II isoform; p50; Bp50; CD40L receptor; CDW40; TNFRSF5; Human CD40; anti-CD40 antibody

PRODUCT SPECIFICATIONS

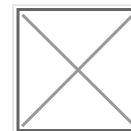
Host	Mouse
Reactivity	Human, Monkey
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	HB14
Specificity	Recognizes human CD40.
Purity/Purification	Affinity Purified
Form/Format	PBS, pH 7.2, 0.09% sodium azide. Sourced in TCS.
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	277
Applicable Applications for anti-CD40 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Human B cell line.
Immunogen Type	Cells
Immunogen	CD40 antibody was raised against human B cell line.
Preparation and Storage	Store undiluted at 4 degrees C

IMAGES



FCM/FACS (Flow Cytometry)

Human peripheral blood lymphocytes stained with purified HB14, followed by anti-mouse IgGs FITC



IHC (Immunohistochemistry)

Anti-CD40 antibody IHC of human tonsil. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-CD40 antibody	CD40 is a member of the TNF-receptor superfamily. It has been found to be essential in mediating a broad variety of immune and inflammatory responses including T cell-dependent immunoglobulin class switching, memory B cell development, and germinal center formation. AT-hook transcription factor AKNA is reported to coordinately regulate the expression of this receptor and its ligand, which may be important for homotypic cell interactions.
Product Categories/Family for anti-CD40 antibody	Family: TNF Receptor

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507581
NCBI GeneID	958
NCBI Accession #	NP_001241.1
NCBI GenBank Nucleotide #	NM_001250.5
UniProt Accession #	P25942 ; Q53GN5 ; Q5JY15 ; Q5U007 ; Q7M4Q8 ; Q86YK5 ; Q9BYU0 ; E1P5S9
Molecular Weight	22,259 Da
NCBI Official Full Name	tumor necrosis factor receptor superfamily member 5 isoform 1
NCBI Official Synonym Full Names	CD40 molecule, TNF receptor superfamily member 5
NCBI Official Symbol	CD40
NCBI Official Synonym Symbols	p50; Bp50; CDW40; TNFRSF5
NCBI Protein Information	tumor necrosis factor receptor superfamily member 5; CD40L receptor; CD40 type II isoform; B cell-associated molecule; B cell surface antigen CD40; CD40 antigen (TNF receptor superfamily member 5); nerve growth factor receptor-related B-lymphocyte activation molecule
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd40-antibody-clone-hb14-flow-cytometry-immunohistochemistry-elisa/51793>