

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

Anti-CD40 [chi220]

CATALOG # AAA72190	HOST Mouse	REACTIVITY Human	APPLICATIONS Blocking
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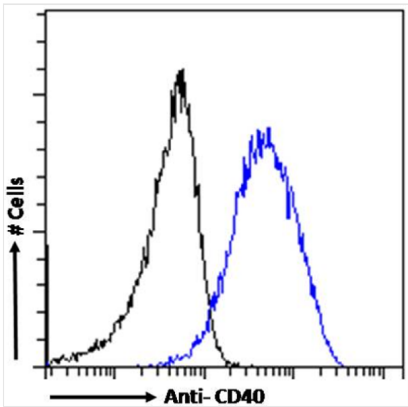
PRODUCT SYNONYMS

CD40; Monoclonal Antibody; Anti-CD40 [chi220]; TNFSF5; CDw40; TRAP; p50; Bp50; CD40L receptor; Tumor necrosis factor ligand superfamily member 5; B-cell surface antigen CD40; T-cell antigen Gp39; TNF-related activation protein; anti-CD40 antibody

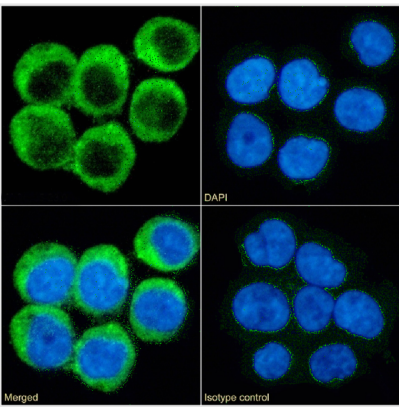
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG2a, kappa
Clone Number	chi220
Specificity	This antibody binds the CD40 and blocks the humoral immune responses to T cell dependent antigens in a dose dependent manner.
Purity/Purification	Purified antibody. Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CD40 antibody	Blocking
PMID	15611281
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



FCM/FACS (Flow Cytometry)
Flow cytometry using the anti-CD40 antibody chi220 . Daudi cells were fixed using 2% PFA and stained with anti-unknown specificity antibody or the rabbit IgG1 version of chi220 at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.



IF (Immunofluorescence)
Immunofluorescence staining of fixed Daudi cells with anti-CD40 antibody chi220
Immunofluorescence analysis of paraformaldehyde fixed Daudi cells on Shi-fix coverslips stained with the chimeric rabbit IgG version of chi220 at 10ug/ml for 1h followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CD40 antibody	Recombinant monoclonal antibody to CD40. Recombinant Platform with variable regions (i.e. specificity) from the hybridoma chi220. This antibody was generated by immunizing female BALB/c mice with a fusion protein containing extracellular domain of human CD40 fused to the hinge CH2 and CH3 domains of a murine IgG2b antibody.
References	Adams et al. Development of a chimeric anti-CD40 monoclonal antibody that synergizes with LEA29Y to prolong islet allograft survival. J Immunol. (2005); 174(1):542-50. Note on publication: Describes the generation and characterization of this antibody.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557433
NCBI GeneID	959
NCBI Accession #	NP_000065.1
NCBI GenBank Nucleotide #	NM_000074.2
UniProt Accession #	P29965
Molecular Weight	29,274 Da
NCBI Official Full Name	CD40 ligand
NCBI Official Synonym Full Names	CD40 ligand
NCBI Official Symbol	CD40LG
NCBI Official Synonym Symbols	IGM; IMD3; TRAP; gp39; CD154; CD40L; HIGM1; T-BAM; TNFSF5; hCD40L
NCBI Protein Information	CD40 ligand; 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
UniProt Protein Name	CD40 ligand
UniProt Gene Name	CD40LG
UniProt Synonym Gene Names	CD40L; TNFSF5; TRAP; CD40-L; TRAP

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/monoclonal/cd40-antibody-clone-chi220-elisa/72190>