

CD40 recombinant antibody

Anti-CD40 [1C10], Rabbit IgG, kappa

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72542	Rabbit	Mouse	Immunoprecipitation, Immunofluorescence, ELISA, Flow Cytometry, Functional Assay

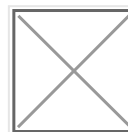
PRODUCT SYNONYMS

CD40; Monoclonal Recombinant Antibody; Anti-CD40 [1C10]; Rabbit IgG; kappa; TNFRSF5; B-cell surface antigen CD40; Bp50; CD40L receptor; CDW40; MGC9013; T-cell differentiation antigen; Tumor necrosis factor receptor superfamily member 5; tumor necrosis factor receptor superfamily; member 5; CD40 recombinant antibody

PRODUCT SPECIFICATIONS

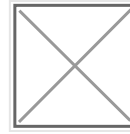
Host	Rabbit
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG kappa
Clone Number	1C10
Specificity	This antibody binds mouse CD40, which is a member of the tumor necrosis factor receptor superfamily. CD40 is an integral membrane protein found on the surface of B lymphocytes.
Purity/Purification	Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for CD40 recombinant antibody	IP (Immunoprecipitation), IF (Immunofluorescence), ELISA, FCM/FACS (Flow Cytometry), Antagonistic Antibody
Chimeric Use Statement	This chimeric rabbit antibody was made using the variable domain sequences of the original Rat IgG2a format for improved compatibility with existing reagents assays and techniques.
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 1C10 (AAA72542). Paraformaldehyde fixed mouse splenocytes were stained with anti-unknown specificity antibody or the mouse IgG1 version of 1C10 (AAA72542-1.1, blue line) at a dilution of 1:100 for 1 hour at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG Alexa Fluor 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow cytometer.



WB (Western Blot)

Western Blot using Anti-

CD40 antibody 1C10 (AAA72542). Mousespleen(A)(2ug/ml), thymus(B)(2ug/ml), mouselymphnode(C)(1ug/ml) and lung(D)(1ug/ml) tissue lysates (35ug protein in RIPA buffer) were resolved on a 4-20% SDS-PAGE gel and blotted onto a nitrocellulose membrane. The membrane was probed with anti-mouse CD40 antibody (1:1000) and detected by chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for CD40 recombinant antibody	The original antibody was generated by immunizing a rat with 20 ug of soluble extracellular domain of recombinant murine CD40 (sCD40).
References	Heath et al. Monoclonal antibodies to murine CD40 define two distinct functional epitopes. Eur J Immunol. 1994 Aug;24(8):1828-34. N/A7519997 Note on publication: This paper discusses the generation and functional characterization of two antibodies that recognize two distinct CD40 epitopes.

NCBI AND UNIPROT INFORMATION

NCBI GI #	172046819
NCBI GeneID	21939
UniProt Accession #	P27512; Q3TS33; Q3TSL2; Q3U799; Q3U7C9; Q3UBH3; Q542B1; Q8K2X6; Q99NE0; Q99NE1; Q99NE2; Q99NE3
Molecular Weight	28,878 Da
NCBI Official Full Name	Tumor necrosis factor receptor superfamily member 5
NCBI Official Synonym Full Names	CD40 antigen
NCBI Official Symbol	Cd40
NCBI Official Synonym Symbols	IGM; p50; Bp50; GP39; IMD3; TRAP; HIGM1; T-BAM; Tnfrsf5; AI326936
NCBI Protein Information	tumor necrosis factor receptor superfamily member 5; CD40L receptor; B-cell surface antigen CD40; T-cell differentiation antigen; 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_MOUSE

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://stage.aaabiotech.com/monoclonal/cd40-recombinant-antibody-clone-1c10-immunoprecipitation-immunofluorescence-flow-cytometry-elisa/72542>