

Rabbit anti-Mouse CD40/TNFRSF5 Polyclonal Antibody | anti-CD40 antibody

Anti-CD40/TNFRSF5 Antibody

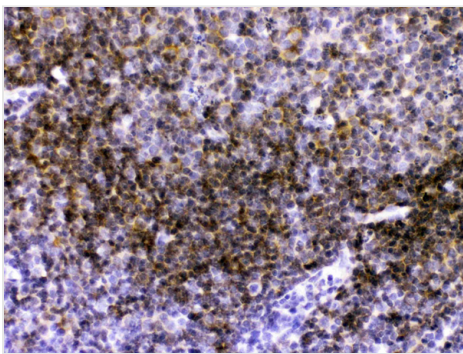
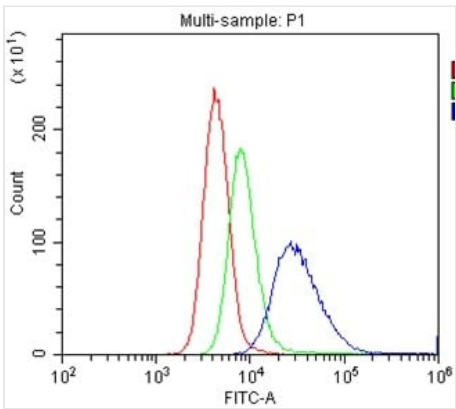
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46827	Rabbit	Mouse	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

CD40/TNFRSF5; Polyclonal Antibody; Anti-CD40/TNFRSF5 Antibody; B cell associated molecule CD40; B cell surface antigen CD40; B-cell surface antigen CD40; Bp50; CD40 antigen; CD40 molecule; CD40 protein; CD40 type II isoform; CD40L receptor; CDw40; TNFRSF5; TNFR5; GP39; HIGM1; P25942 ; Tumor necrosis factor receptor superfamily member 5; TNF receptor superfamily member 5; anti-CD40 antibody

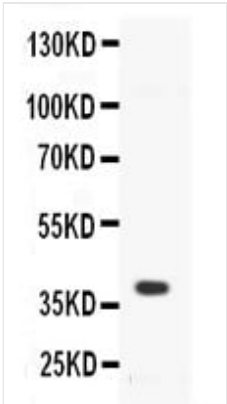
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	289
Applicable Applications for anti-CD40 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Notes	Tested Species: In-house tested species with positive results. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections. Other applications have not been tested.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	E. coli-derived mouse CD40/TNFRSF5 recombinant protein (Position: L20-R193). Mouse CD40/TNFRSF5 shares 60.7% amino acid (aa) sequence identity with human CD40/TNFRSF5.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



IHC (Immunohistochemistry)
CD40/TNFRSF5 was detected in paraffin-embedded sections of mouse lymphaden tissues using rabbit anti- CD40/TNFRSF5 Antigen Affinity purified polyclonal antibody at 1 ug/mL. The immunohistochemical section was developed using SABC method.

FCM/FACS (Flow Cytometry)
Figure 3. Flow Cytometry analysis of U937 cells using anti-CD40/TNFRSF5 antibody (AAA46827). Overlay histogram showing U937 cells stained with AAA46827 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-CD40/TNFRSF5 Antibody (AAA46827, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight 488 conjugated goat anti-rabbit IgG (5-10ug/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)
Western blot analysis of CD40/TNFRSF5 expression in mouse spleen extract (lane 1). CD40/TNFRSF5 at 40KD was detected using rabbit anti- CD40/TNFRSF5 Antigen Affinity purified polyclonal antibody at 0.5ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-CD40 antibody	Rabbit IgG polyclonal antibody for Tumor necrosis factor receptor superfamily member 5(CD40) detection. Background: CD40 is a cell surface receptor that is expressed on the surface of all mature B cells and also expressed on monocytes, dendritic cells, and thymic epithelium. It is a member of the tumor necrosis factor (TNF) receptor superfamily and is the receptor for CD40 ligand. CD40 ligand (CD40L, CD154, gp39, and TRAM) belongs to the TNF gene family and is expressed more widely than CD40 predominantly on activated CD4+ T cells. Activation of CD40 has also been shown to inhibit the growth of certain B cell lymphomas and to induce the death of transformed cells of mesenchymal or epithelial origin.
References	1. Clark, E. A. : CD40: a cytokine receptor in search of a ligand. Tissue Antigens 35: 33-36, 1990. 2. Harding, S. A.; Sarma, J.; Josephs, D. H.; Cruden, N. L.; Din, J. N.; Twomey, P. J.; Fox, K. A. A.; Newby, D. E. : Upregulation of the CD40/CD40 ligand dyad and platelet-monocyte aggregation in cigarette smokers. Circulation 109: 1926-1929, 2004. 3. Kato, K.; Cantwell, M. J.; Sharma, S.; Kipps, T. J. : Gene transfer of CD40-ligand induces autologous immune recognition of chronic lymphocytic leukemia B cells. J. Clin. Invest. 101: 1133-1141, 1998. 4. Stamenkovic, I.; Clark, E. A.; Seed, B. : A B-lymphocyte activation molecule related to the nerve growth factor receptor and induced by cytokines in carcinomas. EMBO J. 8: 1403-1410, 1989. 5. van Kooten, C.; Banchereau, J. : CD40-CD40 ligand. J. Leuko. Biol. 67: 2-17, 2000.

NCBI AND UNIPROT INFORMATION

NCBI GI #	70608202
NCBI GeneID	21939
NCBI Accession #	NP_035741.2
NCBI GenBank Nucleotide #	NM_011611.2
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 isoform 1
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
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 5
UniProt Gene Name	Cd40
UniProt Synonym Gene Names	Tnfrsf5

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/polyclonal/cd40-tnfrsf5-antibody-immunohistochemistry-western-blot-elisa/46827>