

Rabbit anti-Human CD50 Polyclonal Antibody | anti-ICAM3 antibody

Anti-CD50 Antibody, Rabbit Polyclonal

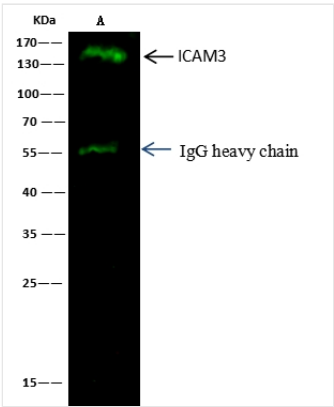
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254834	Rabbit	Human	Immunoprecipitation, ELISA, Western Blot

PRODUCT SYNONYMS

CD50; Polyclonal Antibody; Anti-CD50 Antibody; Rabbit Polyclonal; CD50/ICAM-3 Antibody; Rabbit PAb; Antigen Affinity Purified; intercellular adhesion molecule 3; Anti-CDW50 Antibody; Anti-ICAM-3 Antibody; Anti-ICAM-R Antibody; anti-ICAM3 antibody

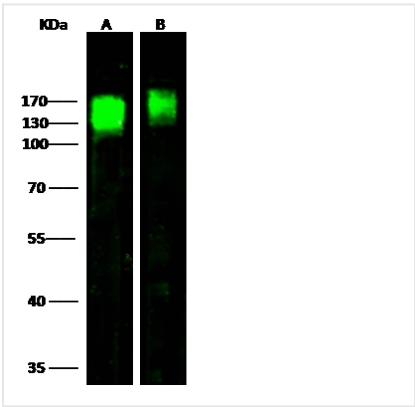
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human ICAM3/CD50
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-ICAM3 antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Human ICAM3/CD50 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human ICAM3/CD50 (rh ICAM3/CD50). ICAM3/CD50 specific IgG was purified by Human ICAM3/CD50 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



IP (Immunoprecipitation)

ICAM3 was immunoprecipitated using: Lane A: 0.5 mg THP-1 Whole Cell Lysate, 2 uL anti-ICAM3 rabbit polyclonal antibody and 15 uL of 50 % Protein G agarose. Primary antibody: Anti-ICAM3 rabbit polyclonal antibody, at 1:200 dilution. Secondary antibody: DyLight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 60 kDa. Observed band size: 170 kDa.



WB (Western Blot)

Anti-ICAM3 rabbit polyclonal antibody at 1:500 dilution. Lane A: HL60 Membrane Lysate. Lysates/proteins at 20 ug per lane. Secondary: Goat Anti-Rabbit IgG H&L (DyLight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 60 kDa. Observed band size: 150 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-ICAM3 antibody	The protein ICAM-3, also known as CD50, is a member of the intercellular adhesion molecule (ICAM) family consisting of three members. It is a DC-SIGN ligand that is constitutively expressed on resting leukocytes and is thus an important molecule for the first immune response. ICAM-3 comprises five immunoglobulin-like domains and binds LFA-1 through its two N-terminal domains. It functions not only as an adhesion molecule but also as a potent signaling molecule. ICAM-3 binds to LFA-1 on antigen-presenting cells (APC) stabilizing the T cell-APC interaction, facilitating signaling through the CD3/TCR complex. However, recent evidence using cultured and transformed T cells suggests ICAM-3 may also function in signaling. It has been reported that the CD50 molecule can play a role in developing functionally mature T lymphocytes and its expression increases during the maturation process of T lymphocytes. Also, the interactions of ICAM-3 and LFA-1 facilitate HIV-1-induced virological synapse formation between T cells. ICAM-3 is associated with an increase in cellular radio-resistance and cancer cell proliferation. It could be considered as a candidate for anti-cancer drug development and as a cancer marker.
References	Berney SM, et al. (1999) ICAM-3 (CD50) cross-linking augments signaling in CD3-activated peripheral human T lymphocytes. J Leukoc Biol. 65(6): 867-74. van Buul JD, et al. (2004) ICAM-3 activation modulates cell-cell contacts of human bone marrow endothelial cells. J Vasc Res. 41(1): 28-37. Sugino H. (2005) ICAM-3, a ligand for DC-SIGN, was duplicated from ICAM-1 in mammalian evolution, but was lost in the rodent genome. FEBS Lett. 579(13): 2901-6. Park JK, et al. (2010) ICAM-3 enhances the migratory and invasive potential of human non-small cell lung cancer cells by inducing MMP-2 and MMP-9 via Akt and CREB. Int J Oncol. 36(1): 181-92.

NCBI AND UNIPROT INFORMATION

NCBI GI #	167466207
NCBI GeneID	3385
NCBI Accession #	NP_002153.2
NCBI GenBank Nucleotide #	NM_002162.3
UniProt Accession #	P32942; Q6PD68
Molecular Weight	59,541 Da
NCBI Official Full Name	intercellular adhesion molecule 3
NCBI Official Synonym Full Names	intercellular adhesion molecule 3
NCBI Official Symbol	ICAM3

NCBI Official Synonym Symbols	CD50; CDW50; ICAM-R
NCBI Protein Information	intercellular adhesion molecule 3; ICAM-3; intercellular adhesion molecule-3
UniProt Protein Name	Intercellular adhesion molecule 3
UniProt Gene Name	ICAM3
UniProt Synonym Gene Names	ICAM-3
UniProt Entry Name	ICAM3_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/polyclonal/cd50-antibody-immunoprecipitation-western-blot-elisa/254834>