

Rabbit anti-Mouse, Rat Cd27 Polyclonal Antibody | anti-CD27 antibody

Anti-Cd27 Antibody Picoband

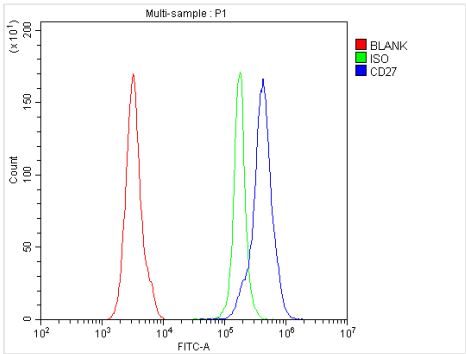
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126116	Rabbit	Mouse, Rat	Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

Cd27; Polyclonal Antibody; Anti-Cd27 Antibody Picoband; anti-CD27 antibody

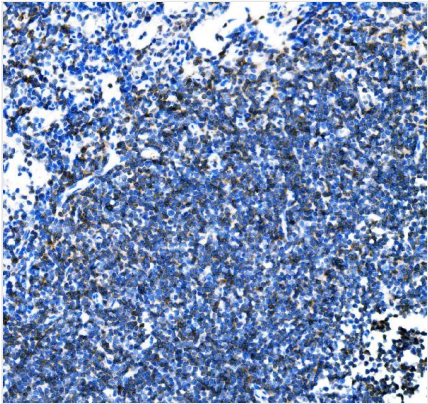
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Natural and recombinant Human ACP5
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-CD27 antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ELISA
Samples	Cell culture supernatants, serum and plasma (heparin, EDTA)
Detection Range	31.2 pg/ml - 2,000 pg/ml
Sensitivity	<10 pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



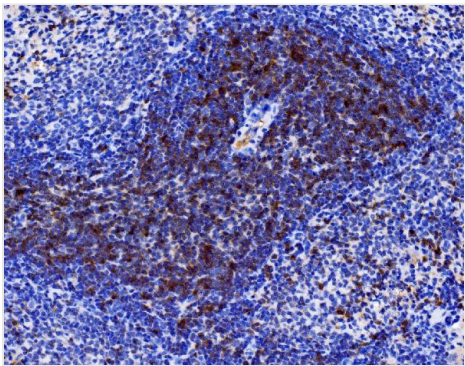
FCM/FACS (Flow Cytometry)

Figure 4. Flow Cytometry analysis of mouse PBMC cells using anti-Cd27 antibody (AAA126116).Overlay histogram showing mouse PBMC cells stained with AAA126116 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Cd27 Antibody (AAA126116, 1 ug/1x10^6 cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10^6) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



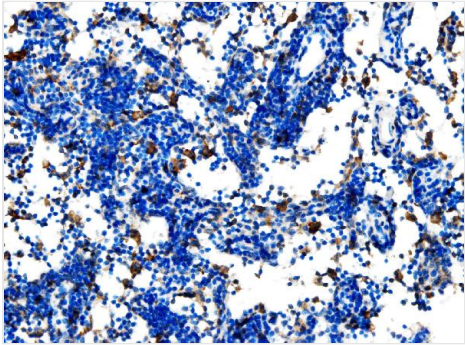
IHC (Immunohistochemistry)

Figure 2. IHC analysis of Cd27 using anti-Cd27 antibody (AAA126116).Cd27 was detected in a paraffin-embedded section of rat lymphaden tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-Cd27 Antibody (AAA126116) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 3. IHC analysis of Cd27 using anti-Cd27 antibody (AAA126116).Cd27 was detected in a paraffin-embedded section of rat spleen tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-Cd27 Antibody (AAA126116) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 1. IHC analysis of Cd27 using anti-Cd27 antibody (AAA126116).Cd27 was detected in a paraffin-embedded section of mouse lymphaden tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-Cd27 Antibody (AAA126116) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-CD27 antibody	Background: Tartrate-resistant acid phosphatase (TRAP or TRAPase), also called acid phosphatase 5, tartrate resistant (ACP5), is a glycosylated monomeric metalloprotein enzyme expressed in mammals. This gene encodes an iron containing glycoprotein which catalyzes the conversion of orthophosphoric monoester to alcohol and orthophosphate. It is the most basic of the acid phosphatases and is the only form not inhibited by L(+)-tartrate. Principle of the Assay: The Picokine™ Human ACP5 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human ACP5 with a 96-well strip plate that is pre-coated with antibody specific for ACP5. The detection antibody is a biotinylated antibody specific for ACP5. The capture antibody is monoclonal antibody from mouse and the detection antibody is biotinylated polyclonal antibody from goat. The kit contains recombinant Human ACP5 with immunogen: Expression system for standard: NS0; Immunogen sequence: A22-P325. The kit is analytically validated with ready-to-use reagents. To measure Human ACP5, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbound ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human ACP5 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human ACP5 in the sample.
Product Categories/Family for anti-CD27 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	729080
NCBI GeneID	21940
UniProt Accession #	P41272
Molecular Weight	28,164 Da
NCBI Official Full Name	CD27 antigen
NCBI Official Synonym Full Names	CD27 antigen
NCBI Official Symbol	Cd27
NCBI Official Synonym Symbols	S152; Tp55; Tnfrsf7
NCBI Protein Information	CD27 antigen; CD antigen 27; CD27L receptor; T-cell activation antigen CD27; tumor necrosis factor receptor superfamily member 7; tumor necrosis factor receptor superfamily, member 7
UniProt Protein Name	CD27 antigen
UniProt Gene Name	Cd27
UniProt Synonym Gene Names	Tnfrsf7
UniProt Entry Name	CD27_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cd27-antibody-immunohistochemistry-flow-cytometry-elisa/126116>