

Rabbit anti-Human CD89/FCAR Polyclonal Antibody | anti-FCAR antibody

Anti-CD89/FCAR Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126497	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

CD89/FCAR; Polyclonal Antibody; Anti-CD89/FCAR Antibody Picoband; anti-FCAR antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
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-FCAR antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human CD89/FCAR recombinant protein (Position: Q22-K287).
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.

IMAGES



WB (Western Blot)

Figure 1. Western blot analysis of CD89/FCAR using anti-CD89/FCAR antibody (AAA126497). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human HL-60 whole cell lysates, Lane 2: human U-937 whole cell lysates, Lane 3: human Jurkat whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-CD89/FCAR antigen affinity purified polyclonal antibody (#AAA126497) at 0.25 ug/mL overnight at 4 degree C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for CD89/FCAR at approximately 32 kDa. The expected band size for CD89/FCAR is at 32 kDa.



FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of HeLa cells using anti-CD89/FCAR antibody (AAA126497). Overlay histogram showing HeLa cells stained with AAA126497 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-CD89/FCAR Antibody (AAA126497, 1 ug/1x10⁶ 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/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IF (Immunofluorescence)

Figure 2. IF analysis of CD89/FCAR using anti-CD89/FCAR antibody (AAA126497). CD89/FCAR was detected in an immunocytochemical section of HeLa cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-CD89/FCAR Antibody (AAA126497) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.

ADDITIONAL INFORMATION

Related Product Information for anti-FCAR antibody	FCAR, Receptor for Fc fragment of IGA, is also known as CD89. Human Fc-alpha receptor(FCAR) is present on a number of cell types, including neutrophils, monocytes, macrophages, and eosinophils. FCAR interacts with aggregated IgAs, such as IgA coated on the surface of an invading microorganism, and mediates several immunologic defense processes such as phagocytosis, antibody-dependent cell-mediated cytotoxicity, and stimulation of the release of inflammatory mediators. FCAR is a glycoprotein of 50 to 100 kD, with diversity on different cell types. FCAR is mapped to 19q13.4. Human COS cells transfected with FCAR cDNA bind to IgA, but not IgG.
Product Categories/Family for anti-FCAR antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	119860
NCBI GeneID	2204
UniProt Accession #	P24071; Q13603; Q13604; Q15727; Q15728; Q1AJL7; Q1AJL8; Q1AJL9; Q53X38; Q53X39; Q92587; Q92588
Molecular Weight	28,343 Da
NCBI Official Full Name	Immunoglobulin alpha Fc receptor
NCBI Official Synonym Full Names	Fc fragment of IgA receptor
NCBI Official Symbol	FCAR
NCBI Official Synonym Symbols	CD89; FcalphaRI; CTB-61M7.2
NCBI Protein Information	immunoglobulin alpha Fc receptor
UniProt Protein Name	Immunoglobulin alpha Fc receptor
UniProt Gene Name	FCAR
UniProt Synonym Gene Names	CD89; IgA Fc receptor

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/cd89-fcar-antibody-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/126497>