

Rabbit CD64/FCGR1A Polyclonal Antibody | anti-FCGR1A antibody

Anti-CD64/FCGR1A Antibody Picoband

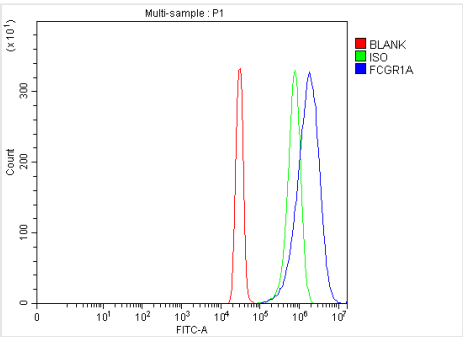
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126227	Rabbit	Human, Mouse, Rat	Western Blot, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

CD64/FCGR1A; Polyclonal Antibody; Anti-CD64/FCGR1A Antibody Picoband; anti-FCGR1A antibody

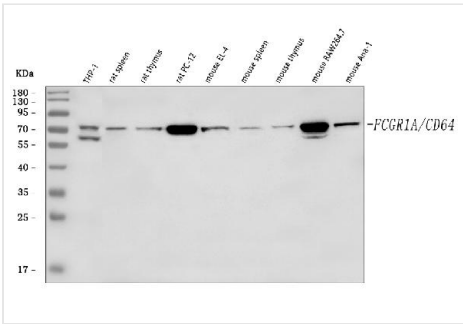
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
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-FCGR1A antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), ELISA
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human CD64/FCGR1A recombinant protein (Position: A191-D254).
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 2. Flow Cytometry analysis of SiHa cells using anti-CD64/FCGR1A antibody (AAA126227). Overlay histogram showing SiHa cells stained with AAA126227 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-CD64/FCGR1A Antibody (AAA126227, 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.



WB (Western Blot)

Figure 1. Western blot analysis of CD64/FCGR1A using anti-CD64/FCGR1A antibody (AAA126227). 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 THP-1 whole cell lysates, Lane 2: rat spleen tissue lysates, Lane 3: rat thymus tissue lysates, Lane 4: rat PC-12 whole cell lysates, Lane 5: mouse EL-4 whole cell lysates, Lane 6: mouse spleen tissue lysates, Lane 7: mouse thymus tissue lysates, Lane 8: mouse RAW264.7 whole cell lysates, Lane 9: mouse ANA-1 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-CD64/FCGR1A antigen affinity purified polyclonal antibody (#AAA126227) at 0.5 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 CD64/FCGR1A at approximately 70 kDa. The expected band size for CD64/FCGR1A is at 43 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-FCGR1A antibody	High affinity immunoglobulin gamma Fc receptor I is a protein that in humans is encoded by the FCGR1A gene. It is mapped to 1q21.2. This gene encodes a protein that plays an important role in the immune response. This protein is a high-affinity Fc-gamma receptor. The gene is one of three related gene family members located on chromosome 1.
Product Categories/Family for anti-FCGR1A antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	50403717
NCBI GeneID	2209
UniProt Accession #	P12314; P12315; Q5QNW7; Q92495; Q92663
Molecular Weight	374
NCBI Official Full Name	High affinity immunoglobulin gamma Fc receptor I
NCBI Official Synonym Full Names	Fc fragment of IgG, high affinity Ia, receptor (CD64)
NCBI Official Symbol	FCGR1A
NCBI Official Synonym Symbols	CD64; FCRI; CD64A; IGFR1
NCBI Protein Information	high affinity immunoglobulin gamma Fc receptor I; fcgammaRIa; Fc-gamma RI; fc-gamma RIA; Fc gamma receptor; IgG Fc receptor I; Fc-gamma receptor I A1; Fc fragment of IgG, high affinity Ia, receptor for (CD64)
UniProt Protein Name	High affinity immunoglobulin gamma Fc receptor I
UniProt Gene Name	FCGR1A
UniProt Synonym Gene Names	FCG1; FCGR1; IGFR1; IgG Fc receptor I; FcRI; FcgammaRIa

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/polyclonal/cd64-fcgr1a-antibody-western-blot-flow-cytometry-elisa/126227>