

Rabbit anti-Human, Rat CD64 Polyclonal Antibody | anti-FCGR1A antibody

CD64 Antibody

CATALOG # AAA329154	HOST Rabbit	REACTIVITY Human, Rat	APPLICATIONS ELISA
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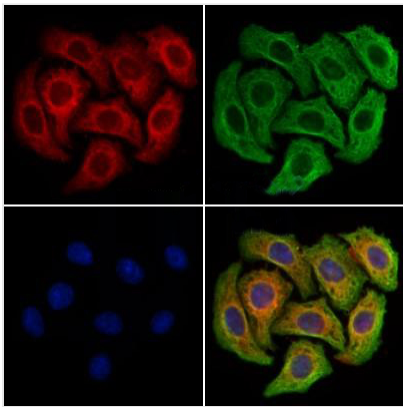
PRODUCT SYNONYMS

CD64; Polyclonal Antibody; CD64 Antibody; CD64A; Fc fragment of IgG high affinity Ia receptor (CD64); Fc fragment of IgG; high affinity Ia; receptor for; Fc gamma receptor; Fc gamma receptor I A1; Fc gamma RI; Fc gamma RIA; Fc-gamma RI; Fc-gamma RIA; FCG1; FcgammaRIa; FCGR1; FCGR1_HUMAN; FCGR1A; FcRI; FLJ18345; High affinity immunoglobulin gamma Fc receptor I; IGFR1; IgG Fc receptor I; Immunoglobulin G Fc receptor I; OTTHUMP00000013913; anti-FCGR1A antibody

PRODUCT SPECIFICATIONS

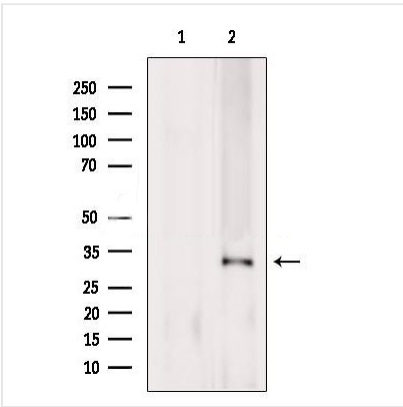
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CD64 Antibody detects endogenous levels of total CD64.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	374
Applicable Applications for anti-FCGR1A antibody	ELISA
Immunogen	A synthesized peptide derived from human CD64, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA329154 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25Å°C. Samples were then incubated with primary Ab(AAA329154 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37Å°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



WB (Western Blot)

Western blot analysis of extracts from C6 cells, using CD64 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-FCGR1A antibody	Function: High affinity receptor for the Fc region of immunoglobulins gamma. Functions in both innate and adaptive immune responses.
	Post Translational Modifications: Phosphorylated on serine residues.
	Subcellular Location: Cell membrane>Single-pass type I membrane protein. Note: Stabilized at the cell membrane through interaction with FCER1G.
	Tissue Specificity: Monocyte/macrophage specific.
	Subunit Structure: Interacts with FCERG1; forms a functional signaling complex. Interacts with FLNA; prevents FCGR1A degradation. Interacts with EPB41L2, LAT and PPL. Interacts with HCK and LYN.
	Similarity: Belongs to the immunoglobulin superfamily. FCGR1 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	50403717
NCBI GeneID	2209
UniProt Accession #	P12314
Molecular Weight	Observed Molecular Weight: (Observed)42kD. Predicted Molecular Weight: (Calculated)43kDa.
NCBI Official Full Name	High affinity immunoglobulin gamma Fc receptor I
NCBI Official Synonym Full Names	Fc fragment of IgG receptor Ia
NCBI Official Symbol	FCGR1A
NCBI Official Synonym Symbols	CD64; FCRI; CD64A; IGFR1
NCBI Protein Information	high affinity immunoglobulin gamma Fc receptor I
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
UniProt Entry Name	FCGR1_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/cd64-antibody-elisa/329154>