

FCGR2A recombinant antibody

FCGR2A Antibody

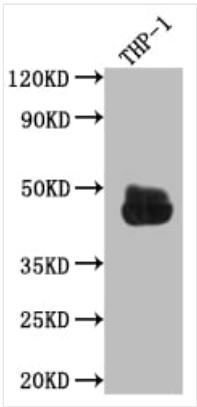
CATALOG # AAA243816	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot, ELISA
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PRODUCT SYNONYMS

FCGR2A; Monoclonal Recombinant Antibody; FCGR2A Antibody; Low affinity immunoglobulin gamma Fc region receptor II-a (IgG Fc receptor II-a) (CDw32) (Fc-gamma RII-a) (Fc-gamma-RIIa) (FcRII-a) (CD antigen CD32); CD32 FCG2 FCGR2A1 IGFR2; FCGR2A recombinant antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Purity/Purification	Affinity-chromatography
Form/Format	Liquid
Applicable Applications for FCGR2A recombinant antibody	WB (Western Blot), ELISA
Immunogen	A synthesized peptide derived from human CD32
Immunogen Species	Homo sapiens (Human)
Research Areas	Immunology ; Stem Cells
Storage Buffer	Rabbit IgG in phosphate buffered saline, PH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Conjugate	Non-conjugated
Product type	Recombinant Antibody
Preparation and Storage	Upon receipt, store at -20 degree or -80 degree Avoid repeated freeze.



WB (Western Blot)
Western BlotPositive WB detected in: THP-1 whole cell lysateAll lanes: CD32 antibody at 1:1000SecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 35, 36 kDaObserved band size: 45 kDa

ADDITIONAL INFORMATION

Related Product Information for FCGR2A recombinant antibody	Binds to the Fc region of immunoglobulins gamma. Low affinity receptor. By binding to IgG it initiates cellular responses against pathogens and soluble antigens. Promotes phagocytosis of opsonized antigens. Description: The recombinant FCGR2A monoclonal antibody is produced through a series of steps: first, sequencing the FCGR2A monoclonal antibody gene; second, incorporating the gene into a plasmid vector; third, introducing the recombinant vector into a host cell line; fourth, and finally, purifying the FCGR2A recombinant monoclonal antibody from the cell culture supernatant using affinity chromatography. The FCGR2A monoclonal antibody is derived from the FCGR2A antibody-producing hybridomas, using a synthesized peptide from human FCGR2A as the immunogen. The recombinant FCGR2A monoclonal antibody is highly recommended for ELISA and WB applications to detect human FCGR2A protein. The FCGR2A protein, also known as CD32a, is a member of the Fc gamma receptor family and plays a key role in the immune response. Specifically, it is an activating receptor expressed on the surface of certain immune cells, such as macrophages, monocytes, and dendritic cells, where it binds to the Fc portion of immunoglobulin G (IgG) antibodies. This binding triggers a signaling cascade that leads to various cellular responses, including phagocytosis, antibody-dependent cell-mediated cytotoxicity (ADCC), and the release of inflammatory cytokines. The FCGR2A protein is thus an important mediator of the body's defense against pathogens and foreign substances.
Product Categories/Family for FCGR2A recombinant antibody	Immunology; Stem cells

NCBI AND UNIPROT INFORMATION

NCBI GI #	210031822
NCBI GeneID	2212
NCBI Accession #	NP_001129691.1
NCBI GenBank Nucleotide #	NM_001136219.1
UniProt Accession #	P12318; Q8WUN1; Q8WW64
NCBI Official Full Name	low affinity immunoglobulin gamma Fc region receptor II-a isoform 1
NCBI Official Synonym Full Names	Fc fragment of IgG, low affinity IIa, receptor (CD32)
NCBI Official Symbol	FCGR2A
NCBI Official Synonym Symbols	CD32; FCG2; FcGR; CD32A; CDw32; FCGR2; IGFR2; FCGR2A1
NCBI Protein Information	low affinity immunoglobulin gamma Fc region receptor II-a; fcRII-a; fc-gamma-RIIa; fc-gamma RII-a; igG Fc receptor II-a; Immunoglobulin G Fc receptor II

UniProt Protein Name	Low affinity immunoglobulin gamma Fc region receptor II-a
UniProt Gene Name	FCGR2A
UniProt Synonym Gene Names	CD32; FCG2; FCGR2A1; IGFR2; IgG Fc receptor II-a; Fc-gamma-RIIa; FcRII-a
UniProt Entry Name	FCG2A_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/monoclonal/fcgr2a-recombinant-antibody-western-blot-elisa/243816>