

CD16 recombinant antibody

Rabbit anti-CD16 Recombinant Monoclonal Antibody [BLR163J]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213620	Rabbit	Human	Immunocytochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

CD16; Monoclonal Recombinant Antibody; Rabbit anti-CD16 Recombinant Monoclonal Antibody [BLR163J]; neutrophil-specific antigen NA; FCGR11; FCR-10; FCR11; FCR11A; IGR3; IgG Fc receptor III-2; low affinity immunoglobulin gamma receptor III-a Fc fragment; immunoglobulin G Fc receptor III; low affinity immunoglobulin gamma Fc region receptor III-A; FCGR3; IMD20; CD16A; CD16a antigen; CD antigen CD16a; Fc gamma R11A; Fc fragment of IgG; low affinity III; receptor for (CD16); low affinity IIIa; receptor (CD16a); Fc gamma receptor III-A; FCG3; Fc-gamma receptor III-2 (CD 16); Fc-gamma receptor IIIb (CD16); Fc-gamma R11; Fc-gamma R11A; Fc-gamma R11-alpha; fc-gamma R11-beta; low affinity immunoglobulin gamma Fc region receptor III-B; IgG Fc receptor III-1; FCR11b; FCGR3A; CD antigen CD16b; Fc-gamma receptor IIIb (CD 16); Fc gamma receptor IIIb; low affinity IIIb; receptor (CD16b); CD16b; fc-gamma R11b; Low affinity immunoglobulin gamma Fc region receptor III-A; Fc fragment of IgG receptor IIIa; CD16 recombinant antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Clone Number	BLR163J
Purity/Purification	Purified
Form/Format	Liquid. Whole IgG. Borate Buffered Saline (BBS) pH 8.2 with 0.1% BSA and 0.09% Sodium Azide
Concentration	100ug/ml (varies by lot)
Applicable Applications for CD16 recombinant antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Residues 21-201 (ECD)
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human CD16 by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, PBMCs, Jurkat, and Hep-G2 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-CD16 recombinant monoclonal antibody (AAA213620 lot 1) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 75 seconds. Lower Panel: Rabbit anti-Actin recombinant monoclonal antibody .



IHC (Immunohistochemistry)

Detection of human CD16 in FFPE breast carcinoma by immunohistochemistry. Antibody: Rabbit anti-CD16 recombinant monoclonal antibody (AAA213620 lot 1). Secondary: HRP-conjugated goat anti-rabbit IgG . Substrate: DAB.



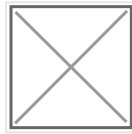
IHC (Immunohistochemistry)

Detection of human CD16 in FFPE spleen by immunohistochemistry. Antibody: Rabbit anti-CD16 recombinant monoclonal antibody (AAA213620 lot 1). Secondary: HRP-conjugated goat anti-rabbit IgG . Substrate: DAB.



IHC (Immunohistochemistry)

Detection of human CD16 in FFPE renal cell carcinoma by immunohistochemistry. Antibody: Rabbit anti-CD16 recombinant monoclonal antibody (AAA213620 lot 1). Secondary: HRP-conjugated goat anti-rabbit IgG . Substrate: DAB.



ICC (Immunocytochemistry)

Detection of human CD16 in FFPE CD16A transfected HEKES cells (left) and CD16B transfected HEKES cells (right) by immunocytochemistry. Antibody: Rabbit anti-CD16 recombinant monoclonal antibody (AAA213620 lot 1). Secondary: HRP-conjugated goat anti-rabbit IgG . Substrate: DAB.

ADDITIONAL INFORMATION

Related Product Information for CD16 recombinant antibody

CD16A (FCGR3A) is a receptor for the Fc portion of immunoglobulin G, and it is involved in the removal of antigen-antibody complexes from the circulation, as well as other responses, including antibody dependent cellular mediated cytotoxicity and antibody dependent enhancement of virus infections. CD16A is highly similar to another nearby gene (CD16B, FCGR3B) located on chromosome 1. CD16A is expressed on natural killer (NK) cells as an integral membrane glycoprotein anchored through a transmembrane peptide, whereas CD16B is expressed on polymorphonuclear neutrophils (PMN) where the receptor is anchored through a phosphatidylinositol (PI) linkage. [taken from NCBI Entrez Gene (Gene ID: 2214)].

Product Categories/Family for CD16 recombinant antibody

Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GeneID	2214, 2215
UniProt Accession #	P08637; O75015
UniProt Protein Name	Low affinity immunoglobulin gamma Fc region receptor III-A
UniProt Gene Name	FCGR3A
UniProt Synonym Gene Names	CD16A; FCG3; FCGR3; IGFR3; Fc-gamma RIII; Fc-gamma RIIIa; FcRIII; FcRIIIa
UniProt Entry Name	FCG3A_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/cd16-recombinant-antibody-clone-blr163j-immunocytochemistry-immunohistochemistry-western-blot-elisa/213620>