

anti-Human CD32 Antibody | anti-CD32 antibody

Anti-CD32 [MDE-9]

CATALOG # AAA72307	REACTIVITY Human	APPLICATIONS Immunofluorescence, ELISA, Immunohistochemistry, Flow Cytometry, Functional Assay
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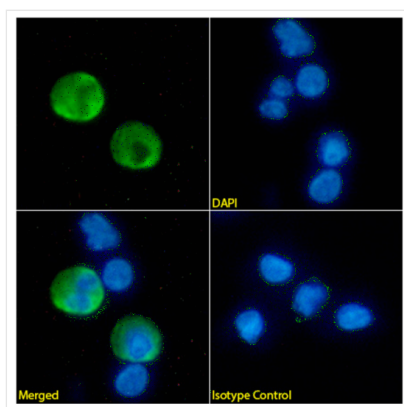
PRODUCT SYNONYMS

CD32; Anti-CD32 [MDE-9]; CDw32; Fc-gamma RII-a; FcgammaRIIa; FcgammaRII; FcRII-a; FCGR2A; FcgammaRIIa-H131; IgG Fc receptor II-a; Low affinity immunoglobulin gamma Fc region receptor II-a; anti-CD32 antibody

PRODUCT SPECIFICATIONS

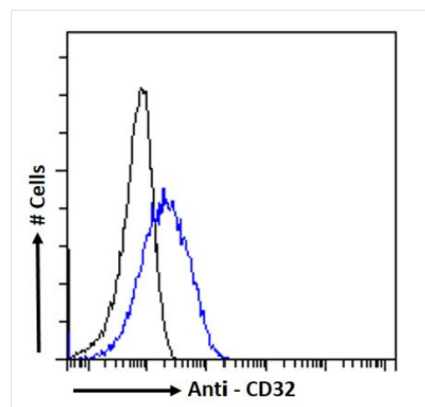
Reactivity	Human
Isotype	Rabbit IgG kappa
Clone Number	MDE-9
Specificity	This antibody recognizes and binds Fc-gamma receptor IIa (FcgammaRIIa) or CD32a and, more particularly, the FcgammaRIIa-H131 allotype.
Purity/Purification	Purified. Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CD32 antibody	Blocking, IF (Immunofluorescence), ELISA, IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of human peripheral blood leukocytes with Anti-CD32 MDE-9. Immunofluorescence analysis of paraformaldehyde fixed human peripheral blood leukocytes immobilized on Shi-fix™ plus cover-slips stained with the chimeric mouse IgG1 version of MDE-9 (1:100 dilution) for 1h followed by Alexa Fluor 488 secondary antibody (1:1000 dilution), showing membrane and cytoplasmic staining in subset of cells. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.



FCM/FACS (Flow Cytometry)

Flow cytometry using the Anti-CD32 antibody MDE-9. Paraformaldehyde fixed U937 cells were stained with anti-unknown specificity antibody (isotype control, black line) or the mouse IgG1 version of MDE-9 at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.

ADDITIONAL INFORMATION

Related Product Information for anti-CD32 antibody	The original antibody was generated by immunizing Human Ig-Tg (Co7) mice with FcgammaRIIa-H131 conjugated to human serum albumin in complete Freund's adjuvant. Describes the use of this antibody in the study of FcgammaRIIa (CD32) polymorphism. This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.
References	van Royen-Kerkhof et al. J Immunol Methods (2004); 294(1-2):135-44.

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
Molecular Weight	35,001 Da
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.