

anti-Human CD32 Antibody | anti-CD32 antibody

Anti-CD32 [MDE-9]

CATALOG #	REACTIVITY	APPLICATIONS
AAA72306	Human	Immunofluorescence, ELISA, Immunohistochemistry, Flow Cytometry, Functional Assay

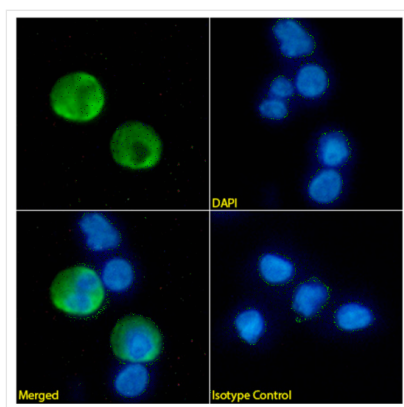
PRODUCT SYNONYMS

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

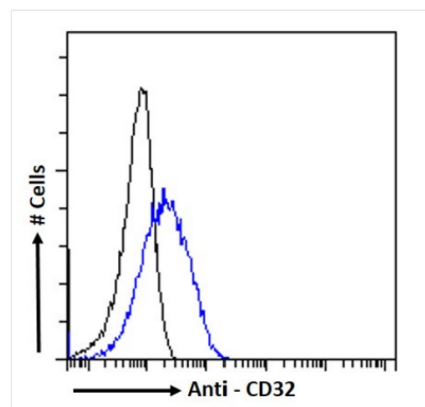
Reactivity	Human
Isotype	Mouse IgG1 kappa
Clone Number	MDE-9
Specificity	This antibody recognizes and binds Fc-gamma receptor IIa (FcgammaRIIa) or CD32a and, more particularly, the FcgammaRIIa-H131 allotype.
Purity/Purification	Purified. Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 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 (AAA72306) (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 AAA72306, 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 (AAA72306, blue line) 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.
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.