

Product datasheet for **TA386512**

CD32A (FCGR2A) Rabbit Monoclonal Antibody [Clone ID: IV.3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	IV.3
Applications:	BI, ELISA, IF, IP
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG, kappa
Clonality:	Monoclonal
Immunogen:	The original antibody was generated against the FcR of K562 cells.
Specificity:	This antibody recognizes and binds CD32a.

This antibody successfully precipitated a 40-kd FcR from lysates of U937 and K562 cells but not from Daudi or Raji cells. It selectively inhibited the binding of murine IgG1-coated erythrocytes to U937 cells. IV.3 blocked mIgG1 anti-T3 (Leu-4) stimulation but not mIgG2a anti-T3 (OKT3) stimulation of T cells (PMID: 2936805). Anti-FcyRII antibody IV.3 specifically stained Ltk- cells transfected with the FcyR cDNA clone in an immunofluorescence assay (PMID: 2824655). It was reported that IV.3 induces anaphylaxis in immunocompetent CD32a-transgenic "FCGR2A" mice and that IV.3 also induce severe thrombocytopenia in FCGR2A mice (PMID: 26396093). IV.3, reacted with CD32A-R131 exclusively, confirming the specificity in an ELISA (PMID:17386079).

Formulation:	PBS with 0.02% Proclin 300.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles.
Stability:	3 years from dispatch.
Gene Name:	Fc fragment of IgG receptor IIa
Database Link:	Entrez Gene 2212 Human P12318

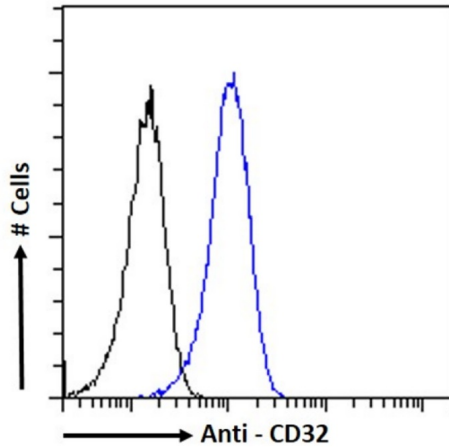


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Synonyms: CD32; CD32A; CDw32; Fc-gamma-RIIa; FCG2; FcGR; FCGR2; FCGR2A1; FcRII-a; IGFR2; MGC23887; MGC30032

Note: This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG2b format, for improved compatibility with existing reagents, assays and techniques.

Product images:



Flow cytometry using the Anti-CD32 antibody IV.3 (TA386512). Paraformaldehyde fixed U937 cells permeabilized with 0.5% Triton were stained with anti-unknown specificity antibody ([TA385792]; isotype control, black line) or the rabbit IgG version of IV.3 (TA386512, 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.