



Product Datasheet
**Human CD32 Monoclonal Antibody
(AGEL0291)**
Catalogue Code: AGEL0291

Antibody Data

Product SKU:	AGEL0291	Clone	IV-3
Applications:	FC	Conjugate	Unconjugated
Reactivity:	Human		

Immunogen Information:

Gene ID: 2212

Swiss Prot: P31994

Synonyms: Low affinity immunoglobulin gamma Fc region receptor II-b, FCGR2B, IgG Fc receptor II-b, CDw32, Fc-gamma RII-b, Fc-gamma-RIIb, FcRII-b, CD32, FCG2, IGFR2

Product Information:

Host Species: Mouse

Isotype: Mouse IgG2b

Storage: PBS with 0.05% Proclin300

Recommended Dilution: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is $\leq 1.0 \mu\text{g}$ per 10^6 cells in $100 \mu\text{l}$ volume or $100 \mu\text{l}$ of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Background:

CD32 is a 40 kD polymorphic transmembrane glycoprotein also known as Fc γ RII and FCRII. It is an immunoglobulin superfamily member expressed on monocytes/macrophages, granulocytes, platelets and B cells. There are at least 6 isoforms of CD32 resulting from alternative mRNA splicing. CD32 mediates phagocytosis and oxidative burst in granulocytes, as well as platelet aggregation and immunomodulation. The extracellular domain of CD32 binds to polymeric and aggregated IgG and immune complexes, while the intracellular domain has been reported to associate with SHP-1 (B1 isoform).

Images:

