

**CD32 (Fc Gamma RIIa) Antibody - With BSA and Azide**  
**Mouse Monoclonal Antibody [Clone 8.7]**  
**Catalog # AH11202****Specification**

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**CD32 (Fc Gamma RIIa) Antibody - With BSA and Azide - Product Information**

Application	IF, FC
Primary Accession	<a href="#">P12318</a>
Other Accession	<a href="#">2212</a> , <a href="#">352642</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG1, kappa
Calculated MW	40kDa KDa

**CD32 (Fc Gamma RIIa) Antibody - With BSA and Azide - Additional Information****Gene ID** 2212**Other Names**

Low affinity immunoglobulin gamma Fc region receptor II-a, IgG Fc receptor II-a, CDw32, Fc-gamma RII-a, Fc-gamma-RIIa, FcRII-a, CD32, FCGR2A, CD32, FCG2, FCGR2A1, IGFR2

**Application Note**

IF~~1:50~200  
FC~~1:10~50

**Storage**

Store at 2 to 8°C. Antibody is stable for 24 months.

**Precautions**

CD32 (Fc Gamma RIIa) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

**CD32 (Fc Gamma RIIa) Antibody - With BSA and Azide - Protein Information****Name** FCGR2A**Synonyms** CD32, FCG2, FCGR2A1, IGFR2**Function**

Binds to the Fc region of immunoglobulins gamma. Low affinity receptor. By binding to IgG it initiates cellular responses against pathogens and soluble antigens. Promotes phagocytosis of opsonized antigens.

**Cellular Location**

Cell membrane; Single-pass type I membrane protein

**Tissue Location**

Found on monocytes, neutrophils and eosinophil platelets

**CD32 (Fc Gamma RIIa) Antibody - With BSA and Azide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**CD32 (Fc Gamma RIIa) Antibody - With BSA and Azide - Images****CD32 (Fc Gamma RIIa) Antibody - With BSA and Azide - Background**

This MAb reacts with a CD32 (FcγRII) epitope distinct from that defined by MAb 8.26 and the epitope overlaps with that of MAb 7.30 (cluster 4). It displays a stronger reaction with Daudi than with U937 cells. The epitope is located in domain 2 of FcγRIIa. Its Fab'2 fragments block immune complex binding. CD32 (FcγRII) is a type 1 transmembrane glycoprotein that mediates several functions including phagocytosis, cytotoxicity, and immunomodulation as well as platelet aggregation. Three genes (A, B, and C) encode CD32 and at least 6 isoforms are generated via alternative mRNA splicing, i.e., IIa1, IIa2, IIb1, IIb2, IIb3 and IIc. Monocytes/macrophages, placental trophoblasts and endothelial cells express all isoforms. In addition, the IIb isoform is expressed by B cells, and the IIa isoform by platelets, granulocytes and, weakly, by B cells. NK cells and neutrophils express Isoform IIc. CD32 binds weakly to the Fc region of monomeric IgG but more strongly to IgG aggregates and immune complexes.

**CD32 (Fc Gamma RIIa) Antibody - With BSA and Azide - References**

Ierino et al., J. Immunol, 150: 1794-1803 (1993)