

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

## 36-2282: Anti-CD32 (Fc Gamma RIIa) Monoclonal Antibody(Clone: 8.7)

Clonality: Monoclonal

Clone Name: 8.7

**Application:** Functional Assay, IF, FACS

Reactivity: Human
Gene: FCGR2A
Gene ID: 2212
Uniprot ID: P12318

CD32A; Fc fragment of IgG low affinity IIa receptor; Fc gamma RIIa; Fc-gamma RII-a; Fc-

gamma-Rlla; FCGR2A; FcgRll; Fcr-2; FcRll-a; IGFR2; IgG Fc receptor Il-a; Low affinity

immunoglobulin gamma Fc region receptor II-a; Ly-17; Ly-m20; LyM-1; Lymphocyte antigen

17

**Isotype:** Mouse IgG1, kappa **Immunogen Information:** K562 and FcqRII+L cells

## **Description**

**Alternative Name:** 

This MAb reacts with a CD32 (FcgRII) 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 FcgRIIa. Its Fab'2 fragments block immune complex binding. CD32 (FcRII) 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.

## **Product Info**

**Amount:** 20 μg / 100 μg

Content: 200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS

with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

**Storage condition :** Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody

is stable for 24 months. Non-hazardous.

## **Application Note**

Functional Studies (Order Ab without BSA & Azide)Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml);

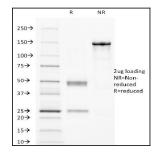


Fig. 1: SDS-PAGE Analysis Purified CD32 Mouse Monoclonal Antibody (8.7). Confirmation of Purity and Integrity of Antibody.