

Monoclonal Antibody to CD16 - PE

Alternate names:	CD16A, FCG3, FCGR3, FCGR3A, Fc-gamma RIII, Fc-gamma RIII-alpha, Fc-gamma RIIIA, FcR-10, FcRIII, FcRIIIa, IGFR3, IgG Fc receptor III-2, Low affinity immunoglobulin gamma Fc region receptor III-A
Catalog No.:	AM01321RP-N
Quantity:	100 Tests
Background:	CD16 is the low affinity receptor for IgG (FcR III). CD16 exists as a transmembranous form (Fc gammaRIIIA, or CD16A) and a glycosyl phosphatidylinositol (GPI) anchored form (Fc gammaRIIIB, or CD16B). CD16A is expressed by NK cells, some T cells, and macrophages, whereas CD16B is primarily expressed by granulocytes. In addition, CD16B exists as two allelic variants NA1 and NA2. DJ130c recognises all polymorphonuclear cells irrespective on their NA phenotype.
Uniprot ID:	P08637
NCBI:	NP_000560.5
GeneID:	2214
Host / Isotype:	Mouse / IgG1
Clone:	DJ130c
Immunogen:	CD34 antigen
Format:	State: Lyophilized purified IgG fraction. Purification: Affinity Chromatography on Protein G. Buffer System: PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. Label: PE – R. Phycoerythrin (RPE) Reconstitution: Restore with 1.0 ml distilled water
Applications:	Flow Cytometry: Use 10 µl of Neat-1/10 diluted antibody to label 10e6 cells in 100 µl. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises CD16, a 50-65kD cell surface molecule. Studies show that the DJ130c antibody recognises an epitope in the first membrane-distal domain of CD16 and recognises both CD16A and CD16B. Species: Human. Other species not tested.
Storage:	Prior to and following reconstitution store the antibody at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light. Shelf life: one year from despatch.

- General Readings:**
1. Schmidt, R.E. (1993) CD16 cluster workshop report. In Leucocyte Typing V: White cell differentiation antigens, Vol.1. Edited by Schlossman, S.F. et al. Oxford University Press. p805-806.
 2. Zhu X, Hamann KJ, Muñoz NM, Rubio N, Mayer D, Herrreiter A, et al. Intracellular expression of Fc gamma RIII (CD16) and its mobilization by chemoattractants in human eosinophils. J Immunol. 1998 Sep 1;161(5):2574-9. PubMed PMID: 9725258.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

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