

## Product datasheet for **AM01321RP-N**

### CD16 (FCGR3A) Mouse Monoclonal Antibody [Clone ID: DJ130c]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	DJ130c
Applications:	FC
Recommended Dilution:	<b>Flow Cytometry:</b> Use 10 µl of Neat-1/10 diluted antibody to label 10 <sup>6</sup> cells in 100 µl.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	CD34 antigen
Specificity:	This antibody recognizes CD16, a 50-65kD cell surface molecule. Studies show that the CD16 antibody Clone DJ130c recognizes an epitope in the first membrane-distal domain of CD16 and recognizes both CD16a and CD16b and has been demonstrated to cross-react with CD16 from rhesus macaques, <i>Macaca mulatta</i> (Xu <i>et al.</i> 2012).
Formulation:	PBS, pH 7.4 Label: PE State: Lyophilized purified IgG fraction Stabilizer: 1% BSA, 5% Sucrose Preservative: 0.09% Sodium Azide Label: R. Phycoerythrin (RPE)
Reconstitution Method:	Restore with 1.0 ml distilled water
Purification:	Affinity Chromatography on Protein G
Conjugation:	PE
Storage:	Prior to and following reconstitution store the antibody at 2-8°C. <b>DO NOT FREEZE!</b> This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	Fc fragment of IgG receptor IIIa



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**Database Link:** [Entrez Gene 2214 Human P08637](#)

**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.

**Synonyms:** FCGR3A, CD16A, FCG3, FCGR3, IGFR3, Fc-gamma RIII-alpha, Fc-gamma RIII, Fc-gamma RIIIa, FcRIII, FcRIIIa, FcR-10, IgG Fc receptor III-2