

## Product datasheet for **AM01321BT-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 1x10 <sup>6</sup> cells in 100 µl.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody recognises CD16, a 50-65kD cell surface molecule. DJ130c recognises all polymorphonuclear cells irrespective on their NA phenotype. Studies show that the DJ130c antibody recognises an epitope in the first membrane-distal domain of CD16 and recognises both CD16A and CD16B.
Formulation:	PBS, pH 7.4 Label: Biotin State: Liquid purified IgG fraction Stabilizer: 1% BSA Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	Biotin
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	Fc fragment of IgG receptor IIIa
Database Link:	<a href="#">Entrez Gene 2214 Human P08637</a>



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**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.

**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