

Product datasheet for **AM01321BT-T**

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

Product data:

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| Product Type: | Primary Antibodies |
| Clone Name: | DJ130c |
| Applications: | FC |
| Recommended Dilution: | Flow Cytometry: Use 10 µl of neat-1/10 diluted antibody to label 1x10 ⁶ cells in 100 µl. |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | CD34 antigen. |
| 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 from Tissue Culture Supernatant 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: | Entrez Gene 2214 Human P08637 |



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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