

## Product datasheet for **SM1073PT**

### CD16 (FCGR3A) Mouse Monoclonal Antibody [Clone ID: LNK16]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	LNK16
Applications:	FC, IP
Recommended Dilution:	<b>Flow Cytometry:</b> Use 10 µl of 1/10-1/20 diluted antibody to label 10e6 cells or 100 µl human whole blood. <b>Immunoprecipitation.</b> Does not work in Immunohistochemistry on Frozen and Paraffin Sections.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Normal Human peripheral blood granulocytes.
Specificity:	This antibody recognizes CD16. This antibody has been reported to block the binding of IgG to the CD16 molecule. (4)
Formulation:	PBS, pH 7.4 State: Purified State: Liquid purified IgG fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Ion Exchange Chromatography
Conjugation:	Unconjugated
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 a 50-65kD cell surface molecule which exists in two forms, a transmembranous form expressed by NK cells and some T cells, and a phosphatidylinositol linked form expressed by granulocytes. CD16 is a low affinity receptor for IgG (FcR III), and is an important receptor mediating ADCC by NK cells.

**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