

Product datasheet for **SM1073F**

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	LNK16
Applications:	FC
Recommended Dilution:	Flow Cytometry: Use 10 µl of neat CD16 antibody to label 10e6 cells or 100 µl of whole blood.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Normal human peripheral blood granulocytes. Spleen cells from immunised BALB/c mice were fused with cells of the mouse X63.653 myeloma cell line.
Specificity:	This antibody recognizes Human CD16. Other species not tested.
Formulation:	PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer Label: FITC State: Liquid purified IgG fraction. Label: Fluorescein Isothiocyanate Isomer 1
Concentration:	lot specific
Purification:	Ion Exchange Chromatography
Conjugation:	FITC
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. 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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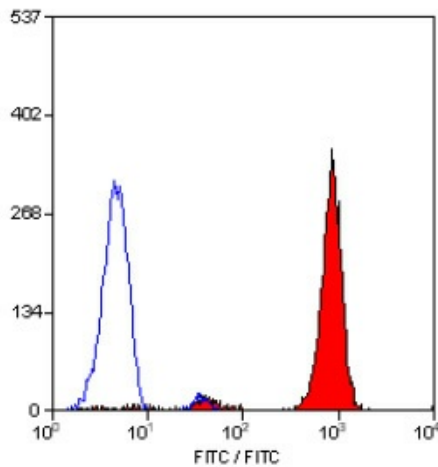
Background:

CD16 is 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.

CD16a is a transmembrane protein of monocytes, macrophages, NK cells and a subset of T cells. CD16b is a GPI-linked monomeric receptor expressed on neutrophils and is involved in their activation and induction of a proadhesive phenotype. CD16a is a transmembrane protein of monocytes, macrophages, NK cells and a subset of T cells. CD16b is a GPI-linked monomeric receptor expressed on neutrophils and is involved in their activation and induction of a proadhesive 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

Product images:

Staining of human peripheral blood granulocytes with Mouse Anti Human CD16 antibody -FITC