

Product datasheet for **SM1072RX**

CD16 (FCGR3A) Mouse Monoclonal Antibody [Clone ID: 3G8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	3G8
Recommended Dilution:	Flow Cytometry: 1 µg is the maximum amount of reagent required for 1 x 10 ⁶ cells. Lesser amounts of antibody may be sufficient and it is recommended that the customer determines the optimum amount of antibody for each application.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody recognizes the CD16 antigen. This protein is a low affinity Fc receptor for immunoglobulin G. CD16 is expressed primarily on NK cells and neutrophils.
Formulation:	Label: PE State: Liquid IgG fraction Stabilizer: A highly purified grade of BSA has been added as a stabilizing protein to bring the final protein concentration to 4-5 mg/ml. Preservative: Sodium Azide
Conjugation:	PE
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE! 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
Database Link:	Entrez Gene 2214 Human P08637
Background:	CD16 (FcγRIII) serves as a low affinity IgG receptor. Human CD16 is expressed in two forms CD16a and CD16b. 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.



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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