

## OriGene Technologies, Inc.

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## Product datasheet for SM1072F

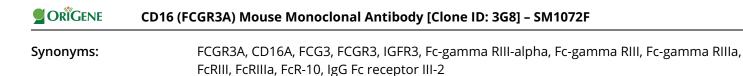
## CD16 (FCGR3A) Mouse Monoclonal Antibody [Clone ID: 3G8]

## **Product data:**

Product Type:	Primary Antibodies
Clone Name:	3G8
Recommended Dilution:	<b>Flow Cytometry:</b> 1 μl is the maximum amount of reagent required for 1 x 1 <sup>®</sup> 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
lsotype:	lgG1
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:	0.02M Sodium Phosphate, 0.30M Sodium Chloride Label: FITC State: Liquid IgG fraction Stabilizer: 4 mg/ml BSA Preservative: 0.09% Sodium Azide Absorption emission: 488 nm / 525 nm
Conjugation:	FITC
Storage:	Store the antibody undiluted at 2-8°C. <b>DO NOT FREEZE!</b> This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	Fc fragment of lgG receptor Illa
Database Link:	<u>Entrez Gene 2214 Human</u> <u>P08637</u>
Background:	CD16 (FcgammaRIII) serves as a low affinity lgG 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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