

## Product datasheet for **AM08159RP-N**

### CD16 (FCGR3A) Mouse Monoclonal Antibody [Clone ID: GRM1]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	GRM1
Applications:	FC
Recommended Dilution:	<b>Flow Cytometry:</b> 10 µL/10e6 cells.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Specificity:	This antibody recognizes CD16/Fcγ <sub>3</sub> R1II.
Formulation:	PBS containing 0.09% Sodium Azide as preservative and a stabilizing agent. Label: PE State: Liquid purified Ig fraction. Label: R-Phycoerythrin
Conjugation:	PE
Storage:	Store the antibody undiluted at 2-8°C. <b>DO NOT FREEZE!</b> 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:	<a href="#">Entrez Gene 2214 Human P08637</a>
Background:	CD16 (Fcγ <sub>3</sub> R1II) 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. CD16 is involved in NK activation and signal transduction. (Ref.1-5)



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<b>Synonyms:</b>	FCGR3A, CD16A, FCG3, FCGR3, IGFR3, Fc-gamma RIII-alpha, Fc-gamma RIII, Fc-gamma RIIIa, FcRIII, FcRIIIa, FcR-10, IgG Fc receptor III-2
<b>Protein Families:</b>	ES Cell Differentiation/IPS, Secreted Protein, Transmembrane
<b>Protein Pathways:</b>	Fc gamma R-mediated phagocytosis, Natural killer cell mediated cytotoxicity, Systemic lupus erythematosus