

Product datasheet for **AM08159PU-N**

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	GRM1
Applications:	FC, IHC, IP, WB
Recommended Dilution:	Flow Cytometry: < / = 1 µg/10e6 cells. Immunohistochemistry on Frozen Sections. Western Blotting (Non-reducing conditions). Immunoprecipitation.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Specificity:	This antibody recognizes CD16/Fcγ3R1.
Formulation:	100 mM Borate Buffered Saline, pH 8.2. No preservatives or amine-containing buffer salts added. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody 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:	Entrez Gene 2214 Human P08637



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Background:	CD16 (FcgammaRIII) 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)
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
Protein Families:	ES Cell Differentiation/IPS, Secreted Protein, Transmembrane
Protein Pathways:	Fc gamma R-mediated phagocytosis, Natural killer cell mediated cytotoxicity, Systemic lupus erythematosus