

Product datasheet for **AM26063PU-N**

CD16 (FCGR3A) Mouse Monoclonal Antibody [Clone ID: c127]

Product data:

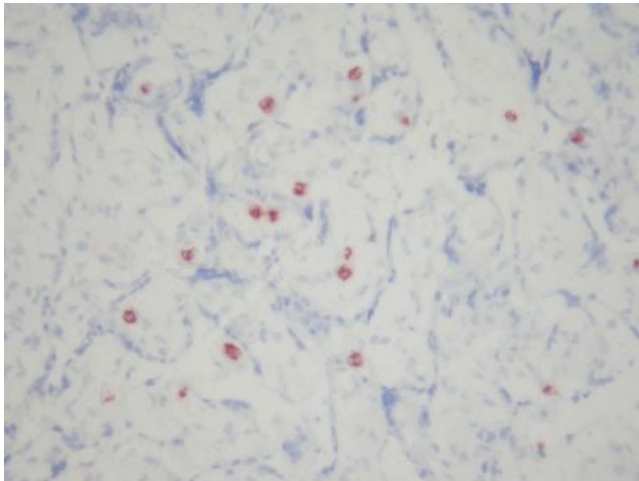
Product Type:	Primary Antibodies
Clone Name:	c127
Applications:	FC, IHC, IP
Recommended Dilution:	Immunohistochemistry on Frozen Sections (Reacts mainly with granulocytes): 0.5 µg/ml (1/800). Has been described to work in FACS and Immunoprecipitation . Suggested Positive Control: Human placenta.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	The antibody recognizes CD16, the low affinity receptor for IgG (FcγRIII). It detects both isoforms. The antigen is strongly expressed on granulocytes in most tissues. Antigen Distribution: Isolated cells: On flow cytometry it stains approximately 2-15% of peripheral blood lymphocytes. Tissue Sections: The antigen is strongly expressed on granulocytes in most tissues.
Formulation:	Stock solution contains 0.4 mg/ml IgG, Phosphate Buffered Saline pH 7.2 (PBS) State: Aff - Purified State: Lyophilized purified Ig fraction Stabilizer: 5 mg/ml BSA Preservative: 0.09% Sodium Azide
Reconstitution Method:	Restore by adding 0.5 ml distilled water.
Purification:	Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.



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Stability:	Shelf life: one year from despatch.
Gene Name:	Fc fragment of IgG receptor IIIa
Database Link:	Entrez Gene 2214 Human P08637
Background:	<p>CD16 is expressed on the majority of NK cells, on granulocytes, monocytes and macrophages, and on a subset of T cells. CD16 is involved in antibody-dependent cellular cytotoxicity (ADCC). This molecule is encoded by FcγRIII-A or FcγRIII-B genes. The genetic heterogeneity of FcγRIII generates alternative membrane-anchored proteins with distinct signalling capacities when cross-linked by immune complexes.</p> <p>CD16 exists in two distinct forms, as a single-pass type I integral membrane protein (CD16a), and as a glycosyl phosphatidyl inositol (GPI) form (CD16b). In humans, the transmembrane form is expressed on NK cells and macrophages while the GPI linked form is expressed on granulocytes.</p>
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

Product images:



Human placenta, staining with AM26063PU-N in Immunohistochemistry on frozen sections.