

## Product datasheet for **AM01051FC-N**

### CD16 Mouse Monoclonal Antibody [Clone ID: G7]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	G7
Applications:	FC
Recommended Dilution:	Flow cytometry: use 10 µl of neat antibody to label 10e6 cells in 100 µl.
Reactivity:	Porcine
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Porcine peripheral blood leucocytes.
Specificity:	This antibody recognises the porcine homologue of human CD16 (Fc gamma RIII alpha). CD16 is a low affinity FC gamma receptor expressed by polymorphonuclear cells (PMN), peripheral blood lymphocytes (PBL) and monocytes in pigs. Clone G7 has been reported to block PBL mediated antibody-dependent cell cytotoxicity (ADCC) and partially inhibit PMN-mediated ADCC.
Formulation:	PBS with 0.09% sodium azide as preservative and 1% BSA as stabilizer. Label: FITC State: Liquid purified IgG Label: Fluorescein Isothiocyanate Isomer 1
Concentration:	lot specific
Purification:	Protein G chromatography
Conjugation:	FITC
Storage:	Store the antibody undiluted at 2-8°C for up to one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing. This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Database Link:	<a href="#">Q28942</a>



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- 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.
- 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