

## Monoclonal Antibody to CD16 - FITC

<b>Alternate names:</b>	CD16A, FCG3, FCGR3, FCGR3A, Fc-gamma RIII, Fc-gamma RIII-alpha, Fc-gamma RIIIa, FcR-10, FcRIII, FcRIIIa, IGFR3, IgG Fc receptor III-2, Low affinity immunoglobulin gamma Fc region receptor III-A
<b>Catalog No.:</b>	AM08159FC-N
<b>Quantity:</b>	100 Tests
<b>Background:</b>	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)
<b>Uniprot ID:</b>	<a href="#">P08637</a>
<b>NCBI:</b>	<a href="#">NP_000560</a>
<b>GenElD:</b>	<a href="#">2214</a>
<b>Host / Isotype:</b>	Mouse / IgG2a
<b>Clone:</b>	GRM1
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction. <b>Buffer System:</b> PBS containing 0.09% Sodium Azide as preservative. <b>Label:</b> FITC – Fluorescein Isothiocyanate Isomer 1
<b>Applications:</b>	<b>Flow Cytometry:</b> 10 µL/10e6 cells. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognizes CD16/FcgammaRIII. <b>Species:</b> Human. Other species not tested.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or in (aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	1. McMichael, A.K., P.C.L. Beverly, S. Cobbold, M.J. Crumpton, W. Gilks, F.M. Gotch, N. Hogg, M. Horton, N. Ling, I.C.M. MacLennan, D.Y. Mason, C. Milstein, D. Spiegelhalter, and H. Waldmann, eds. 1987. Leukocyte Typing III: White Cell Differentiation Antigens, Oxford University Press, Oxford. 2. Knapp, W., B. Dorken, W.R. Gilks, E.P. Rieber, R.E. Schmidt, H. Stein, A.E.G.K. Von dem Borne, eds. 1989. Leukocyte Typing IV: White Cell Differentiation Antigens, Oxford University Press, Oxford. 3. Barclay, A.N., M.H. Brown, S.K.A. Law, A.J. McKnight, M.G. Tomlinson, and P.A. van der

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Merwe, eds. 1997. The Leukocyte Antigens Facts Book, 2nd Edition, CD16 Section, Academic Press, New York, p. 173.

4. Ravetch, J.V., and B. Perussia. 1989. J. Exp. Med. 170:481. 5. Takai, T., M. Li, D. Sylvestre, R. Clynes, and J.V. Ravetch. 1994. Cell 76:519.

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