

## Monoclonal Antibody to CD16 - PE

<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>	AM08159RP-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>GenID:</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 and a stabilizing agent. <b>Label:</b> PE – R-Phycoerythrin
<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. <b>DO NOT FREEZE!</b> 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

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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 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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