

## 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>	AM01051RP-N
<b>Quantity:</b>	100 Tests
<b>Background:</b>	CD16 is a low affinity FC gamma receptor expressed by polymorphonuclear cells (PMN), peripheral blood lymphocytes (PBL) and monocytes in pigs.
<b>Uniprot ID:</b>	<a href="#">Q28942</a>
<b>NCBI:</b>	<a href="#">9823</a>
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	G7
<b>Immunogen:</b>	Porcine peripheral blood leucocytes.
<b>Format:</b>	<b>State:</b> Lyophilized purified IgG containing 0.09% Sodium Azide and 1% Bovine Serum Albumin <b>Purification:</b> Affinity chromatography on Protein G <b>Label:</b> PE – R. Phycoerythrin (RPE) <b>Reconstitution:</b> Restore with 1.0 ml distilled water.
<b>Applications:</b>	Flow cytometry: Use 10 µl of neat antibody to label 10e6 cells in 100 µl. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognises the porcine homologue of human CD16 (Fc gamma RIII alpha). <b>Species:</b> Pig. Other species not tested.
<b>Add. Information:</b>	Clone G7 has been reported to block PBL mediated antibody-dependent cell cytotoxicity (ADCC) and partially inhibit PMN-mediated ADCC.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C. DO NOT FREEZE. This product is photosensitive and should be protected from light. Shelf life: one year from despatch.
<b>General Readings:</b>	1. Dato, M. E. et al (1992) A triggering structure recognised by G7 monoclonal antibody on porcine lymphocytes and granulocytes. Cell. Immunol. 146: 468 - 477. 2. Wierda WG, Johnson BD, Dato ME, Kim YB. Two distinct porcine natural killer lytic trigger molecules as PNK-E/G7 molecular complex. Cell Immunol. 1993 Feb;146(2):270-83. PubMed PMID: 8174170. 3. Halloran PJ, Sweeney SE, Kim YB. Biochemical characterization of the porcine Fc gamma RIII alpha homologue G7. Cell Immunol. 1994 Oct 15;158(2):400-13. PubMed PMID:

**For research and in vitro use only. Not for diagnostic or therapeutic work.**

Material Safety Datasheets are available at [www.acris-antibodies.com](http://www.acris-antibodies.com) or on request.

Antibody Hotline - Technical Questions - Antibody Location Service  
Free Call: 0800-2274746 (Germany only) - [www.acris-antibodies.com](http://www.acris-antibodies.com)



7923391.

**Pictures:**

Staining of porcine peripheral blood granulocytes with MOUSE ANTI PORCINE CD16:RPE

