

CD16 Monoclonal Antibody | anti-CD16 antibody

MOUSE ANTI PIG CD16:FITC

CATALOG #
AAA49077

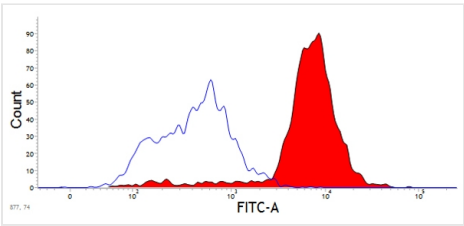
APPLICATIONS
Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

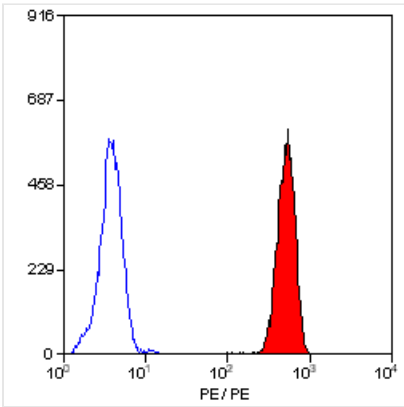
CD16; Monoclonal Antibody; MOUSE ANTI PIG CD16:FITC; FcRIII; anti-CD16 antibody

PRODUCT SPECIFICATIONS

Clonality	Monoclonal
Isotype	IgG1
Clone Number	G7
Specificity	CD16; Mouse anti Pig CD16, clone G7 recognizes porcine CD16 also known as Fc-gamma RIII or the low affinity IgG (Fc) receptor III. Clone G7 was clustered as CD16 at the Second International Workshop to Define Swine Cluster of Differentiation (CD) Antigens (Saalmuller et al. 1998). Mouse anti pig CD16 immunoprecipitates a protein of ~40 kDa from porcine neutrophils and NK cells (Wierda et al. 1993). Subsequent cloning and characterization of the G7 molecule indicated that G7 was the porcine homologue of Human CD16 (Halloran et al. 1994).
Form/Format	FITC; Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid
Concentration	IgG concentration 0.1 mg/ml (varies by lot)
Applicable Applications for anti-CD16 antibody	FCM/FACS (Flow Cytometry)
Target Species	Pig
Max Ex/Em	Fluorophore: FITC; Excitation Max (nm): 490; Emission Max (nm): 525
Preparation	Purified IgG prepared by affinity chromatography on Protein A
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide 1% Bovine Serum Albumin
Immunogen	Porcine peripheral blood leucocytes
Fusion Partners	Spleen cells from immunised Balb/c mice were fused with cells of the mouse P3-X63-Ag8.653 myeloma cell line
Preparation and Storage	Store at 4°C or at -20°C if preferred. This product should be stored undiluted. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.



Application Data
Staining of porcine peripheral blood granulocytes with Mouse anti Porcine CD16 followed by Goat anti Mouse IgG:FITC



Application Data
Staining of porcine peripheral blood granulocytes with Mouse anti Porcine CD16:RPE

ADDITIONAL INFORMATION

Related Product Information for anti-CD16 antibody	Mouse anti Pig CD16, clone G7 recognizes porcine CD16 also known as Fc-gamma RIII or the low affinity IgG (Fc) receptor III. Clone G7 was clustered as CD16 at the Second International Workshop to Define Swine Cluster of Differentiation (CD) Antigens (Saalmuller et al. 1998). Mouse anti pig CD16 immunoprecipitates a protein of ~40 kDa from porcine neutrophils and NK cells (Wierda et al. 1993). Subsequent cloning and characterization of the G7 molecule indicated that G7 was the porcine homologue of Human CD16 (Halloran et al. 1994).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	2497330
NCBI GeneID	397684
UniProt Accession #	Q28942; Q28940; Q28941
NCBI Official Full Name	Low affinity immunoglobulin gamma Fc region receptor III
NCBI Official Symbol	FCGR3B
NCBI Official Synonym Symbols	FCGR3
NCBI Protein Information	low affinity immunoglobulin gamma Fc region receptor III; FcgammaRIII a.1; cytolytic trigger molecule G7; fc-gamma RIII; fcRIII; igG Fc receptor III
UniProt Protein Name	Low affinity immunoglobulin gamma Fc region receptor III
UniProt Gene Name	FCGR3
UniProt Synonym Gene Names	IgG Fc receptor III; FcRIII
UniProt Entry Name	FCGR3_PIG

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.