



Anti-FCGR3B monoclonal antibody, clone G7 [R-PE] (CABT-45648MP)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview 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. Mouse anti pig CD16 immunoprecipitates a protein of ~40 kDa from porcine neutrophils and NK cells. Subsequent cloning and characterization of the G7 molecule indicated that G7 was the porcine homologue of Human CD16. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul.

Specificity	FCGR3B
Immunogen	Porcine peripheral blood leucocytes
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Pig
Clone	G7
Conjugate	PE
Applications	FC
Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised
Size	100 tests
Preservative	0.09% Sodium Azide
Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is

photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	FCGR3B Fc fragment of IgG, low affinity IIIb, receptor (CD16b) [Sus scrofa (pig)]
Official Symbol	FCGR3B
Synonyms	FCGR3B; FCGR3; low affinity immunoglobulin gamma Fc region receptor III; fcRIII; fc-gamma RIII; FcgammaRIII a.1; igG Fc receptor III; cytolytic trigger molecule G7; Fc fragment of IgG, low affinity IIIb, receptor (CD16b)
Entrez Gene ID	397684
Protein Refseq	NP_999556.1
UniProt ID	Q28942
Pathway	Leishmaniasis, organism-specific biosystem (from KEGG) Leishmaniasis, organism-specific biosystem Leishmaniasis; Natural killer cell mediated cytotoxicity; Osteoclast differentiation; Phagosome; Staphylococcus aureus infection;
Function	IgG binding