



# Anti-Cd16/Cd32 monoclonal antibody, clone FCR4G8 (CABT-45660RM)

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

## PRODUCT INFORMATION

### Product Overview

Rat anti Mouse CD16/CD32 antibody, clone FCR4G8 recognizes an epitope expressed by the murine low affinity Fc receptors, Fc gamma III (CD16) and Fc gamma II (CD32). In the mouse only the transmembrane form of CD16 is reported to exist, which is expressed on macrophages, NK cells, granulocytes, myeloid precursors, and subpopulations of T lymphocytes. CD32 is primarily expressed on cells of the myeloid lineage and also on mature B lymphocytes. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul.

<b>Specificity</b>	CD16/CD32
<b>Immunogen</b>	PU5 1.8 IOE7 Balb/c mouse cell line.
<b>Isotype</b>	IgG2b
<b>Source/Host</b>	Rat
<b>Species Reactivity</b>	Mouse
<b>Clone</b>	FCR4G8
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	FC
<b>Format</b>	Purified IgG - liquid
<b>Size</b>	100 µg
<b>Preservative</b>	See individual product datasheet
<b>Storage</b>	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid

repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

## GENE INFORMATION

Gene Name	<a href="#">Fcgr3 Fc receptor, IgG, low affinity III [ Mus musculus (house mouse) ]</a>
Official Symbol	FCGR3
Synonyms	FCGR3; Fc receptor, IgG, low affinity III; CD16; low affinity immunoglobulin gamma Fc region receptor III; Fc gamma receptor III; Fcg receptor III; FcgammaRIII; fc-gamma RIII; fcRIII; igG Fc receptor III; CD16/CD32;
Entrez Gene ID	<a href="#">14131</a>
Protein Refseq	<a href="#">NP_034318</a>
UniProt ID	P08101
Chromosome Location	1 H3; 1 78.8 cM
Pathway	FCGR activation; Fcgamma receptor (FCGR) dependent phagocytosis; Immune System; Innate Immune System; Leishmaniasis; Osteoclast differentiation; Phagosome; Regulation of actin dynamics for phagocytic cup formation.
Function	IgG binding; IgG receptor activity;