



# Mouse Anti-Rhesus Monkey CD16/FCGR3 monoclonal antibody, clone NN12 (CABT-ZB865)

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

## PRODUCT INFORMATION

<b>Specificity</b>	It reacts with Rhesus Monkey CD16/FCGR3 It has cross-reactivity in ELISA with Human CD16a, Human CD16b. It has no cross-reactivity in ELISA with Human CD32A, Human CD32b, Human CD64, Human cell lysate (293 cell line).
<b>Target</b>	FCGR3
<b>Immunogen</b>	Recombinant Rhesus Monkey CD16/FCGR3 protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Rhesus Monkey
<b>Clone</b>	NN12
<b>Purification</b>	Protein A purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA, ELISA(det) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB489 - CABT-ZB865 This antibody will detect CD16/FCGR3 in antibody pair set. [ABPR-ZB064]
<b>Preparation</b>	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Rhesus CD16 /

FCGR3. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.

<b>Format</b>	Purified, Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	50 $\mu$ L, 100 $\mu$ L, 200 $\mu$ L, 1 mL
<b>Buffer</b>	PBS
<b>Preservative</b>	None
<b>Storage</b>	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	Fc receptors bind the most common class of antibody, IgG, are called Fc gamma receptors (Fc $\gamma$ R). Fc $\gamma$ R is divided into three classes, Fc $\gamma$ RI (CD64), Fc $\gamma$ RII (CD32), and Fc $\gamma$ RIII (CD16). CD16 protein is a multifunctional, low/intermediate affinity receptor, which belongs to the immunoglobulin superfamily. It is found on the surface of natural killer cells, neutrophil polymorphonuclear leukocytes, monocytes and macrophages. Mouse CD16 is encoded by a single gene, while, human CD16 is expressed as two distinct forms (CD16a/Fc $\gamma$ RIIIa and CD16b/Fc $\gamma$ RIIIb) encoded by two different highly homologous genes in a cell type-specific manner. CD16 is involved in phagocytosis, secretion of enzymes, inflammatory mediators, antibody-dependent cellular cytotoxicity (ADCC), and clearance of immune complexes.
<b>Keywords</b>	FCGR3; Fc receptor, IgG, low affinity III; CD16; low affinity immunoglobulin gamma Fc region receptor III

## GENE INFORMATION

<b>Synonyms</b>	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
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