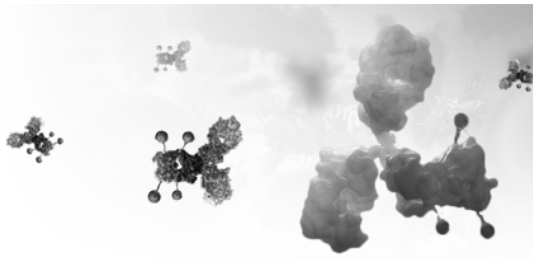

Mouse Anti-Rhesus Monkey CD16/FCGR3 monoclonal antibody, clone NN16 (CABT-ZB489)

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

PRODUCT INFORMATION

Specificity	It reacts with Rhesus Monkey CD16/FCGR3
Target	FCGR3
Immunogen	Recombinant Rhesus Monkey CD16/Fc gamma RIII Protein
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Rhesus Monkey
Clone	NN16
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA(cap) 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]
Preparation	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 / Fc gamma RIII. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Format	Purified, Liquid

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Concentration	Lot specific
Size	50 µL, 100 µL, 200 µL, 1 mL
Buffer	PBS
Preservative	None
Storage	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.
Ship	Wet ice

BACKGROUND

Introduction	Fc receptors bind the most common class of antibody, IgG, are called Fc gamma receptors (Fc γR). FcγR is divided into three classes, Fc γ RI (CD64), Fc γ RII (CD32), and Fc γ 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/FcγRIIIa and CD16b/FcγRIIIb) 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.
Keywords	FCGR3; Fc receptor, IgG, low affinity III; CD16; low affinity immunoglobulin gamma Fc region receptor III

GENE INFORMATION

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

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