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Performance guaranteed

CD16/CD32 Monoclonal Antibody (KT1632), FITC

Catalog Number   **MA5-18015**

Product data sheet

Details

Size	100 µg
Host/Isotope	Rat / IgG2a
Class	Monoclonal
Type	Antibody
Clone	KT1632
Immunogen	Mouse CD32/16 Fc gamma III/II
Conjugate	FITC
Form	Liquid
Concentration	0.1 mg/mL
Purification	Protein G
Storage buffer	PBS with 4-5mg/mL BSA
Contains	0.02% sodium azide
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles. Store in the dark.

Species Reactivity

Species reactivity	Mouse

Tested Applications	Dilution *
Flow Cytometry (Flow)	0.1 µg/1x10^6 cells

* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.

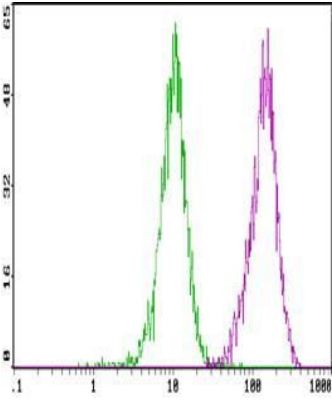## Background/Target Information

CD16 is a 50-65 kDa cell surface molecule that exists in two forms - a transmembranous form expressed by natural killer (NK) cells, and some T cells and a phosphatidylinositol linked form expressed by granulocytes. CD16 is a low affinity receptor for IgG (FcR III), and is an important receptor mediating ADCC (antibody dependent cell mediated cytotoxicity) by NK cells. IN comparison, CD32 is a 40 kD glycoprotein that acts as a low affinity receptor for IgG (also known as Fc gamma RII), and mediates several functions including endocytosis, activation of secretion, cytotoxicity and immunomodulation. CD32 is expressed by B cells, monocytes, granulocytes and platelets. Further, CD32 is involved in the phagocytosis of immune complexes, the regulation of antibody production by B-cells, and variations of the CD32 gene may increase vulnerability to systemic lupus erythematosus (SLE). Several transcript variants encoding different isoforms of CD32 have been found.

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CD16/CD32 Antibody (MA5-18015) in Flow

Flow cytometric analysis of Peritoneal Macrophages staining using anti-CD32/CD16 Monoclonal Antibody (Product # MA5-18015) at a 0.1 µg/10^6 cells dilution.

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