10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-CD16/CD32-AcalephFluor555-labled

Catalog # AP100989

Product Information

Application	FC, IF/IC
Primary Accession	P08101, P08508
Reactivity	Mouse
Clonality	Monoclonal
Calculated MW	36695

Additional Information

Gene ID	14130
Other Names	CD32; FCG2; IGFR2; Low affinity immunoglobulin gamma Fc region receptor II-b; IgG Fc receptor II-b; CDw32; Fc-gamma RII-b; Fc-gamma-RIIb; FcRII-b; CD32
Target/Specificity	Recognizes mouse CD16/CD32
Dilution	FC~~1:10~50 IF/IC~~N/A
Format	Rat IgG2a lambda. Liquid in PBS, pH 7.3, 0.2% BSA, and 0.02% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	Fcgr2
Synonyms	Fcgr2b, Ly-17
Function	Receptor for the Fc region of complexed immunoglobulins gamma. Low affinity receptor. Involved in a variety of effector and regulatory functions such as phagocytosis of antigen-antibody complexes from the circulation and modulation of antibody production by B-cells. Isoform IIB1 and isoform IIB1' form caps but fail to mediate endocytosis or phagocytosis. Isoform IIB2 can mediate the endocytosis of soluble immune complexes via clathrin-coated pits. Isoform IIB1 and isoform IIB2 can down-regulate B-cell, T-cell, and mast cell activation when coaggregated to B-cell receptors for AG (BCR), T-cell receptors for AG (TCR), and Fc receptors, respectively.
Cellular Location	Cell membrane; Single-pass type I membrane protein [Isoform IIB3]: Secreted. Note=Released as a soluble molecule
Tissue Location	Widely expressed by cells of hemopoietic origin. The isoforms are differentially expressed. Isoform IIB1 is preferentially expressed by cells of

the lymphoid lineage, isoform IIB2 by cells of the myeloid lineage, and isoform IIB3 is released by macrophages and is present in the serum. Isoform IIB1' is expressed in myeloid and lymphoid cell lines, in normal spleen cells, and in resting or LPS-activated B-cells but is not detected in mesenteric lymph node cells

Background

AcalephFluor555-labled rat monoclonal antibody to CD16/CD32

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.