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OriGene Technologies GmbH

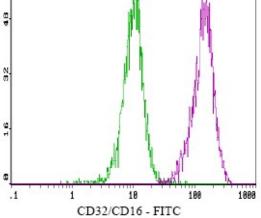
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AM03136BT-N Monoclonal Antibody to CD16/CD32 - Biotin

Alternate names:	CD16a, FCG3, FCGR3A, Fc gamma receptor IIB, Fc-gamma RIII, Fc-gamma RIII-alpha, Fc- gamma RIIIa, Fc-gamma-RIIB, FcR mouse Seroblock, FcRII, FcRIII, FcRIIIa, Fcgr2, IGFR3, IgG Fc receptor III-2, Low affinity immunoglobulin gamma Fc region receptor III-A, Low affinity immunoglobulin gamma Fc region receptor III-B, Ly-17
Quantity:	0.1 mg
Concentration:	0.1 mg/ml
Background:	 The lymphocyte Fc-gamma Receptors recognize the Fc portion of IgG, presented either as immune complexes or as free antibody. The different classes of receptors are distinct because of varying size, tissue distribution and affinity for IgGs. The Fc type II receptor is expressed on a wide variety of cells including B cells, hematopoietic cells, monocyte/macrophages, neutrophils, platelets, Langerhans cells, eosinophils, basophils, trophoblasts, and endothelial cells of the placenta. The Fc-gamma type III receptors are higher affinity than the type II and are expressed on the same cell and in varying ratios. The receptors are constitutively expressed, although cytokines and lymphokines can modulate their expression. Besides identifying Fc-gammaR+ cells, monoclonal antibodies to the Fc-gammaII/III receptor have been used to block Fc receptor binding of IgG, Fcmediated signal transduction and effector functions, clearance of immune complexes and to attenuate infection by organisms dependent on Fc-gamma R for parasitic invasion.
Host / Isotype:	Rat / IgG2a
Clone:	KT1632
Format:	State: Liquid purified IgG fraction. Buffer System: PBS containing 0.02% Sodium Azide as preservative and EIA grade BSA as a stabilizing protein. Label: Biotin
Applications:	 Flow Cytometry: 1 μg is the maximum amount of reagent required per 10e6 cells. Suitable for use in single, dual or three colour Flow Cytometry. <u>Tissue Distribution by Flow Cytometry Analysis:</u> Mouse Strain: BALB/c Cell Concentration: 1x10e6 cells per tests Antibody Concentration Used: 0.1 μg/10e6 cells Isotypic Control: FITC Rat IgG2a. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.

	AM03136BT-N: Monoclonal Antibody to CD16/CD32 - Biotin	
Specificity:	This antibody reacts with Mouse CD32/16 (Fcy III/II receptors) which are Fc recep present on macrophages, NK cells, monocytes, lymphocytes, and dendritic cells. The antibody can be used to block Fc Receptor mediated binding of immunoglob to the FcyIII and FcyII receptors. Species: Mouse. Other species not tested.	
Storage:	Store the antibody undiluted at 2-8°C for one month ore (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.	
Pictures:	Cell Source: Balb/c Peritoneal Macrophages labeled with CatNo. AM03136FC including isotypic control. Percentage of cells stained above control: 99%	



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