Datasheet for ABIN7013995

anti-CD32/CD16 antibody

2 Images

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Overview

Quantity:	0.1 mg
Target:	CD32/CD16
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This CD32/CD16 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunoprecipitation (IP)

Product Details

Immunogen:	Murine pre-B cells
Clone:	93
Isotype:	IgG2a lambda
Specificity:	The rat monoclonal antibody 93 recognizes a common extracellular epitope of murine CD16 (FcgammaRIII) and CD32 (FcgammaRII), the low affinity receptors for IgG.
Purification:	Purified by protein-G affinity chromatography.

Target Details

Target:	CD32/CD16
Alternative Name:	CD16/CD32 (CD32/CD16 Products)
Background:	CD16 (FcgammaRIII) is a 50-65 kDa glycoprotein serving as a low affinity IgG receptor. Unlike

Target Details

human, the murine protein is expressed only as a transmembrane isoform. Also CD32 (FcgammaRII) is a low affinity receptor for IgG, but its affinity is lower than that of CD16. These receptors are expressed on monocytes/macrophages, NK cells, granulocytes, mast cells, dendritic cells, and B cells. Their role is to mediate adaptive immune responses through binding the antibody-antigen immunocomplexes, but their effect on the particular cell differs according to the cell type.,CD16, CD32, FcgammaRIII, FCgammaRII, FCGR3, FCGR2

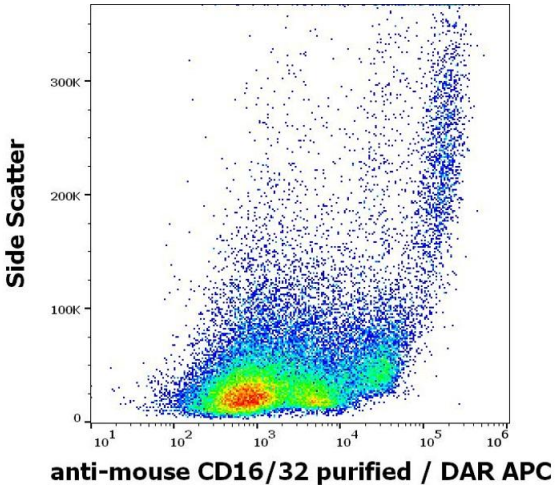
Application Details

Application Notes:	Flow cytometry: Recommended dilution: 1-4 µg/mL
Restrictions:	For Research Use only

Handling

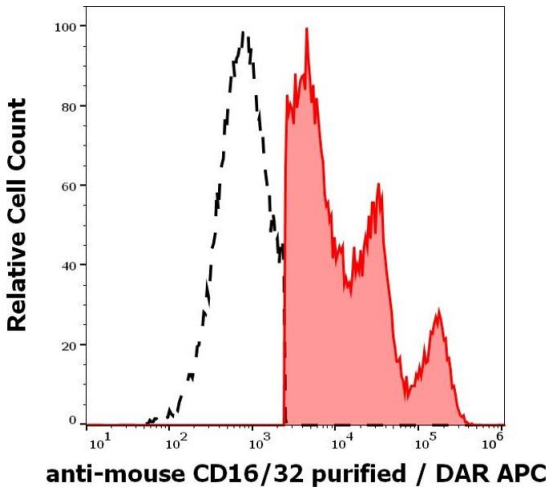
Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

Images



Flow Cytometry

Image 1. Flow cytometry surface staining pattern of rat splenocytes suspension stained using anti-mouse CD16/32 (93) purified antibody (concentration in sample 0.6 µg/mL) DAR APC.



Flow Cytometry

Image 2. Separation of murine CD16/32 positive splenocytes (red-filled) from CD16/32 negative splenocytes (black-dashed) in flow cytometry analysis (surface staining) of mouse splenocyte suspension stained using anti-mouse CD16/32 (93) purified antibody (concentration in sample 0.6 µg/mL) DAR APC.

