

For Research Use Only

# FITC Anti-Mouse CD16 / CD32 (2.4G2)



Catalog Number: FITC-65080

4 Publications

## Basic Information

<b>Catalog Number:</b> FITC-65080	<b>GenBank Accession Number:</b> BC038070	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100ug, 0.5 mg/ml	<b>GeneID (NCBI):</b> 14130	<b>CloneNo.:</b> 2.4G2
<b>Source:</b> Rat	<b>UNIPROT ID:</b> P08101	<b>Excitation/Emission maxima wavelengths:</b> 494 nm / 520 nm
<b>Isotype:</b> IgG2b	<b>Full Name:</b> Fc receptor, IgG, low affinity IIb	

## Applications

**Tested Applications:**

FC

**Cited Applications:**

FC

**Species Specificity:**

Mouse

**Cited Species:**

mouse

## Background Information

CD16 (FcγRIII) is a 50-70 kDa low affinity Fc receptor found on the surface of natural killer cells, neutrophil polymorphonuclear leukocytes, monocytes and macrophages. CD16 mediates antibody-dependent cellular cytotoxicity (ADCC) and other antibody-dependent responses, such as phagocytosis. CD32 (FcγRII) is a 40 kD transmembrane glycoprotein that binds to the Fc region of IgG with low affinity. CD32 is present on phagocytic cells such as macrophages and neutrophils, and is involved in the process of phagocytosis and clearing of immune complexes. The 2.4G2 antibody reacts with the extracellular domains of mouse CD16 (FcRIII) and CD32 (FcRII) (PMID: 90108; 8406898).

## Notable Publications

Author	Pubmed ID	Journal	Application
Qi Wang	34214019	Pharm Biol	FC
Yan Shi	38247194	Small	FC
Xinyi Qu	37445610	Int J Mol Sci	FC

## Storage

**Storage:**

Store at 2-8°C. Avoid exposure to light.

**Storage Buffer:**

Phosphate based buffer with 0.09% sodium azide and 0.1% gelatin, pH 7.2.

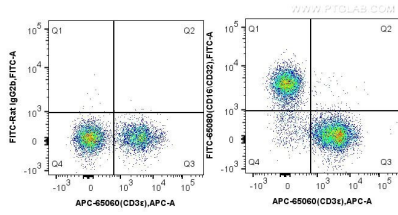
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## Selected Validation Data



$1 \times 10^6$  C57BL/6 mouse splenocytes were surface stained with APC-Anti-Mouse CD3 $\epsilon$  (APC-65060, Clone: 145-2C11) and 0.25  $\mu$ g FITC-Rat IgG2b isotype control (left) or 0.25  $\mu$ g FITC Anti-Mouse CD16 / CD32 (FITC-65080, Clone: 2.4G2) (right). Cells were not fixed.