

For Research Use Only

# CoraLite® Plus 405 Anti-Mouse CD16/32 (93)



Catalog Number: **CL405-65057**

## Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
CL405-65057	BC038070	Affinity purification
Size:	GeneID (NCBI):	CloneNo.:
100ug, 0.5 mg/ml	14130	93
Source:	UNIPROT ID:	Excitation/Emission maxima
Rat	P08101	wavelengths:
Isotype:	Full Name:	399 nm / 422 nm
IgG2a, lambda	Fc receptor, IgG, low affinity IIb	

## Applications

Tested Applications:  
FC  
Species Specificity:  
Mouse

## Background Information

CD16 (Fc  $\gamma$  RIII) 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 (Fc  $\gamma$  RII) 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. Rat anti mouse CD16/32 antibody, clone 93 is specific to the common epitope of CD16 and CD32. It can be used for blocking non-specific binding of immunoglobulins to the Fc receptors.

## Storage

Storage:  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.  
Storage Buffer:  
PBS with 0.09% sodium azide.

For technical support and original validation data for this product please contact:

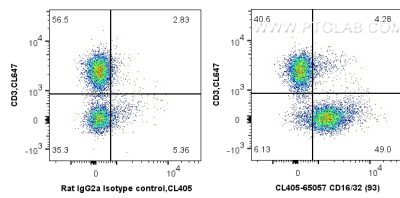
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W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1X10<sup>6</sup> mouse splenocytes were surface co-stained with CoraLite® Plus 647 Anti-Mouse CD3 (17A2) and 0.5 ug CoraLite® Plus 405 Anti-Mouse CD16/32 (CL405-65057, Clone:93) or 0.5 ug Isotype Control. Cells were not fixed.