

For Research Use Only

# Atlantic Blue™ Anti-Mouse CD16/32 (93)



Catalog Number: AB-65057

## Basic Information

|                                    |   |   |
|------------------------------------|---|---|
| <b>Catalog Number:</b><br>AB-65057 | <b>GenBank Accession Number:</b><br>BC038070            | <b>Purification Method:</b><br>Affinity purification                  |
| <b>Size:</b><br>100ug, 0.5 mg/ml   | <b>GeneID (NCBI):</b><br>14130                          | <b>CloneNo.:</b><br>93  |
| <b>Source:</b><br>Rat              | <b>UNIPROT ID:</b><br>P08101                            | <b>Excitation/Emission maxima<br/>wavelengths:</b><br>404 nm / 458 nm |
| <b>Isotype:</b><br>IgG2a, lambda   | <b>Full Name:</b><br>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:

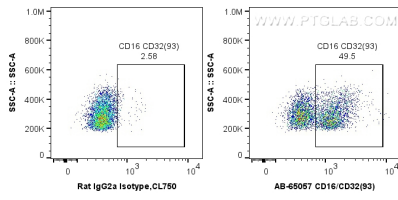
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E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

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

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



1X10<sup>6</sup> mouse splenocytes were surface stained with 0.5 ug Atlantic Blue™ Anti-Mouse CD16/32 (AB-65057, Clone: 93) or 0.5 ug Control Antibody. Cells were not fixed.