

For Research Use Only

# FcZero-rAb® CoraLite® Plus 647 Anti-Mouse CD16/CD32 Rabbit Recombinant Antibody

Catalog Number: CL647-FcA98679



## Basic Information

Catalog Number:

CL647-FcA98679

Concentration:

100ug, 500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG3474

GenBank Accession Number:

NM\_001356511

GeneID (NCBI):

14131

Full Name:

Fc receptor, IgG, low affinity III

Calculated MW:

30 kDa

Purification Method:

Protein A purification

CloneNo.:

252820A1

Recommended Dilutions:

FC: 0.25 ug per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

## Applications

Tested Applications:

FC

Species Specificity:

mouse

Positive Controls:

FC : mouse splenocytes,

## 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. Rabbit anti mouse CD16/32 antibody, clone 252820A1 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 by preincubating the cells with the purified antibody at 1 ug per million cells in 100 uL volume for 5-10 minutes prior to immunostaining.

## 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, pH7.3

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

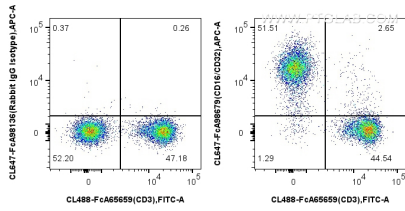
T: 4006900926

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

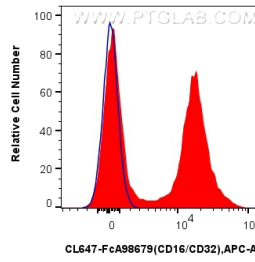
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1x10<sup>6</sup> mouse splenocytes were surface stained with FcZero-rAb® CoraLite® Plus 488 Anti-Mouse CD3 (17A2), and 0.25 ug CoraLite® Plus 647 Anti-Mouse CD16/CD32 Rabbit RecAb (CL647-FcA98679, Clone: 252820A1) or FcZero-rAb® CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-FcA98136, Clone: 240953C9). Cells were not fixed.



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse CD16/CD32 Rabbit RecAb (CL647-FcA98679, Clone: 252820A1) (red) or FcZero-rAb® CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.