

For Research Use Only

# Anti-Human CD16a Rabbit Recombinant Antibody

Catalog Number: 98293-1-RR



## Basic Information

Catalog Number:

98293-1-RR

Concentration:

100ug, 1000 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

GeneID (NCBI):

2214

ENSEMBL Gene ID:

ENSG00000203747

Full Name:

Fc fragment of IgG, low affinity IIIa, receptor (CD16a)

Purification Method:

Protein A purification

CloneNo.:

242426G11

## Applications

Tested Applications:

FC

Species Specificity:

human

## Background Information

CD16 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. CD16 has been identified as Fc receptors Fc  $\gamma$  RIIIa (CD16a) and Fc  $\gamma$  RIIIb (CD16b), encoded by two nearly identical genes, FCGR3A and FCGR3B.

## Storage

Storage:

Store at 2 - 8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH 7.3.

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

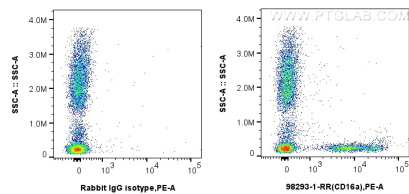
T: 4006900926

E: Proteintech-CN@ptglab.com

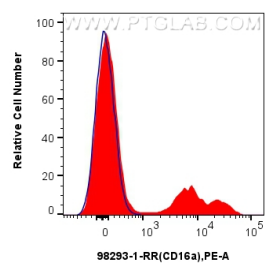
W: ptgcn.com

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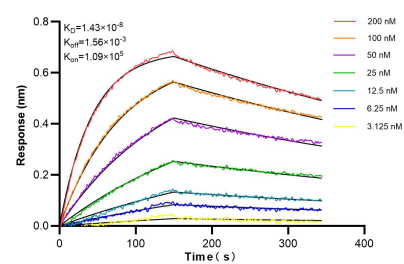
## Selected Validation Data



1x10<sup>6</sup> human peripheral blood leukocytes were surface stained with 0.25  $\mu$ g Anti-Human CD16a Rabbit RecAb (98293-1-RR, Clone:242426G11), or 0.25  $\mu$ g Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10<sup>6</sup> human peripheral blood leukocytes were surface stained with 0.25  $\mu$ g Anti-Human CD16a Rabbit RecAb (98293-1-RR, Clone:242426G11) (red), or 0.25  $\mu$ g Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



Biolayer interferometry (BLI) kinetic assays of 98293-1-RR against Human CD16a were performed. The affinity constant is 14.3 nM.