

For Research Use Only

FcZero-rAb® PE Anti-Human CD16a Rabbit Recombinant Antibody

Catalog Number: PE-FcA98293



Basic Information

Catalog Number:

PE-FcA98293

Concentration:

100 tests, 5 µl/test

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG2488

GenBank Accession Number:

GeneID (NCBI):

2214

ENSEMBL Gene ID:

ENSG00000203747

Full Name:

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

Calculated MW:

29 kDa

Purification Method:

Protein A purification

CloneNo.:

242426G11

Recommended Dilutions:

FC: 5 µl per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

496 nm, 565 nm / 578 nm

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human PBMCs,

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 FcγRIIIa (CD16a) and FcγRIIIb (CD16b), encoded by two nearly identical genes, FCGR3A and FCGR3B. This antibody is specific for CD16a and does not recognize CD16b.

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 and 0.5% BSA, pH7.3

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

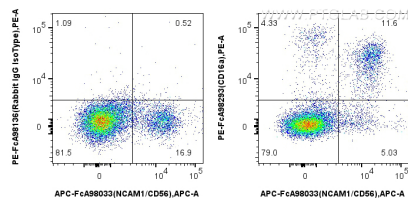
T: 4006900926

E: Proteintech-CN@ptglab.com

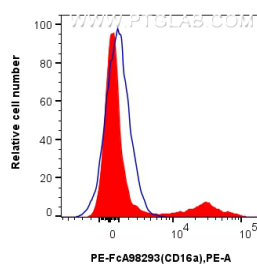
W: ptgcn.com

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Selected Validation Data



1x10⁶ human PBMCs were surface stained with APC Anti-Human NCAM1/CD56, and 5 ul PE Anti-Human CD16a Rabbit RecAb (PE-FcA98293, Clone: 242426G11) or Rabbit IgG Isotype Control RecAb (PE-FcA98136, Clone: 240953C9). Cells were not fixed.



1x10⁶ human PBMCs were surface stained with 5 ul PE Anti-Human CD16a Rabbit RecAb (PE-FcA98293, Clone: 242426G11) (red) or Rabbit IgG Isotype Control RecAb (PE-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.