

For Research Use Only

Anti-Human CSF2RA/CD116 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98066-1-PBS



Basic Information

Catalog Number:

98066-1-PBS

Size:

1mg, 2mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC002635

GeneID (NCBI):

1438

UNIPROT ID:

P15509

Full Name:

colony stimulating factor 2 receptor,
alpha, low-affinity (granulocyte-
macrophage)

Calculated MW:

46 kDa

Purification Method:

Protein A purification

CloneNo.:

241266B11

Applications

Tested Applications:

FC, Cytometric bead array, Sandwich ELISA, Indirect
ELISA, Sample test

Species Specificity:

human

Background Information

CD116, also named as CSF2RA CDw116 CSF2RAX CSF2RAY CSF2RX CSF2RY GM-CSF-R-alpha GMCSFR and GMR, is a low affinity receptor for granulocyte-macrophage colony-stimulating factor. CD116 transduces a signal that results in the proliferation, differentiation, and functional activation of hematopoietic cells.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

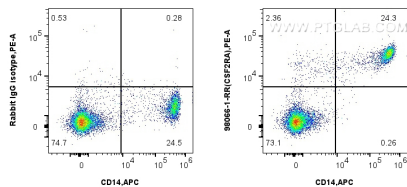
T: 4006900926

E: Proteintech-CN@ptglab.com

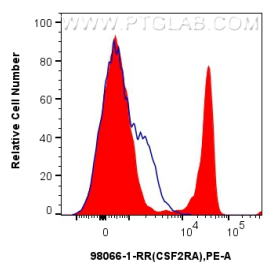
W: ptgcn.com

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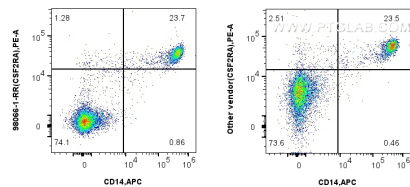
Selected Validation Data



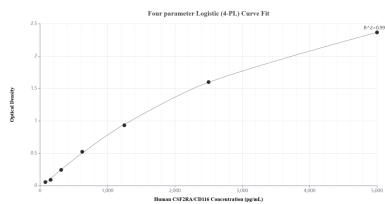
1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human CSF2RA/CD116 Rabbit Recombinant Antibody (98066-1-RR, Clone:241266B11) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG (H+L), or 0.25 ug Isotype Control. Cells were then stained with APC Anti-Human CD14 (261C) (APC-65246, Clone: 261C). Cells were not fixed. This data was developed using the same antibody clone with 98066-1-PBS in a different storage buffer formulation.



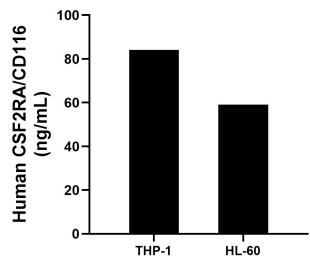
1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human CSF2RA/CD116 Rabbit Recombinant Antibody (98066-1-RR, Clone:241266B11) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG (H+L), or 0.25 ug Isotype Control (blue). Cells were not fixed. This data was developed using the same antibody clone with 98066-1-PBS in a different storage buffer formulation.



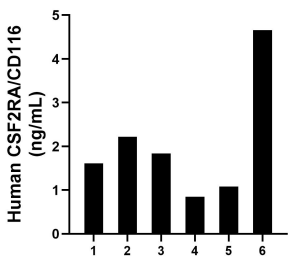
1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human CSF2RA/CD116 Rabbit Recombinant Antibody (98066-1-RR, Clone:241266B11) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG (H+L), and 0.25 ug APC Anti-Human CD14 (261C) (APC-65246, Clone: 261C), and 0.25 ug Isotype Control. Cells were not fixed. This data was developed using the same antibody clone with 98066-1-PBS in a different storage buffer formulation.



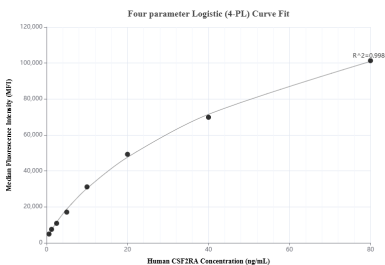
Sandwich ELISA standard curve of MP00953-1, Human CSF2RA/CD116 Recombinant Matched Antibody Pair - PBS only. 98066-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard RP02335. 84023-1-PBS was HRP conjugated as the detection antibody. Range: 78.1-5000 pg/mL



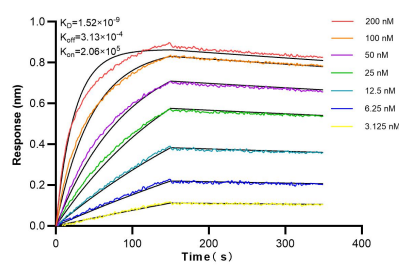
The mean CSF2RA/CD116 concentration was determined to be 84.1 ng/mL in THP-1 cell extract based on a 4.0 mg/mL extract load and 59.0 ng/mL in HL-60 cell extract based on a 5.6 mg/mL extract load.



Serum of six individual healthy human donors was measured. The CSF2RA/CD116 concentration of detected samples was determined to be 2.0 ng/mL with a range of 0.9-4.7 ng/mL



Cytometric bead array standard curve of MP00953-1, CSF2RA/CD116 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 98066-1-PBS. Detection antibody: 84023-1-PBS. Standard: RP02335. Range: 0.625-80 ng/mL



Biolayer interferometry (BLI) kinetic assays of 98066-1-RR against Human CSF2RA/CD116 were performed. The affinity constant is 1.52 nM.