

For Research Use Only

Anti-Human CD38 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98148-2-PBS



Basic Information

Catalog Number:

98148-2-PBS

Concentration:

1mg, 3 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0110

GenBank Accession Number:

BC007964

GeneID (NCBI):

952

ENSEMBL Gene ID:

ENSG00000004468

UNIPROT ID:

P28907

Full Name:

CD38 molecule

Calculated MW:

300 aa, 34 kDa

Purification Method:

Protein A purification

CloneNo.:

241246D5

Applications

Tested Applications:

FC

Species Specificity:

human, cynomolgus monkey

Background Information

CD38, also known as ADP-ribosyl cyclase 1, is a type II transmembrane glycoprotein with a short N-terminal cytoplasmic tail, a single membrane-spanning domain, and a C-terminal extracellular region with four N-glycosylation sites (PMID: 2319135). The extracellular domain of CD38 has bifunctional enzyme activities that catalyze synthesis of cyclic ADP ribose from nicotinamide adenine dinucleotide (NAD) and hydrolysis of cyclic ADP ribose to adenosine diphosphoribose (PMID: 10636863). CD38 is expressed on a variety of hematopoietic and non-hematopoietic cells and is involved in diverse processes such as generation of calcium-mobilizing metabolites, cell activation, and chemotaxis (PMID: 25938500).

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, pH7.3

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

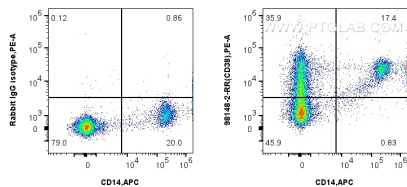
T: 4006900926

E: Proteintech-CN@ptglab.com

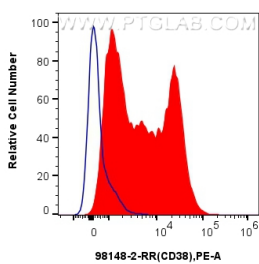
W: ptgcn.com

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

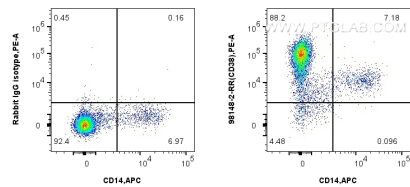
Selected Validation Data



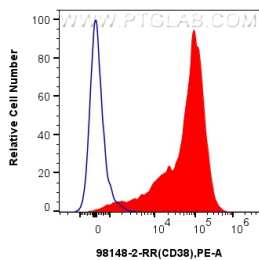
1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human CD38 Rabbit RecAb (98148-2-RR, Clone: 241246D5) or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were co-stained with APC Anti-Human CD14 (26IC) (APC-65246, Clone: 26IC). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. This data was developed using the same



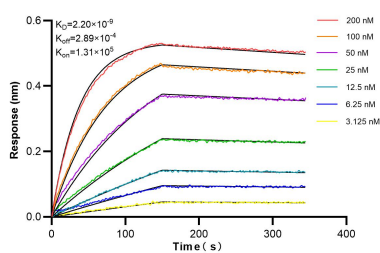
1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human CD38 Rabbit RecAb (98148-2-RR, Clone: 241246D5) (red) or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. This data was developed using the same antibody clone with 98148-2-PBS in a different storage buffer formulation.



1x10⁶ cynomolgus PBMCs cells were surface stained with 0.25 ug Anti-Human CD38 Rabbit RecAb (98148-2-RR, Clone: 241246D5) or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were then stained with APC Anti-Human CD14 Rabbit Recombinant Antibody (APC-98040, Clone: 230332D7). Cells were not fixed. This data was developed using the same antibody



1x10⁶ cynomolgus PBMCs cells were surface stained with 0.25 ug Anti-Human CD38 Rabbit RecAb (98148-2-RR, Clone: 241246D5) (red) or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed. This data was developed using the same antibody clone with 98148-2-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 98148-2-RR against Human CD38 were performed. The affinity constant is 2.20 nM.