

For Research Use Only

Anti-Mouse CD204 Rabbit Recombinant Antibody

Catalog Number: 98576-2-RR



Basic Information

Catalog Number:

98576-2-RR

Concentration:

100ug, 1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG4727

GenBank Accession Number:

NM_001113326.1

GeneID (NCBI):

20288

UNIPROT ID:

P30204-1

Full Name:

macrophage scavenger receptor 1

Calculated MW:

50 kDa

Purification Method:

Protein A purification

CloneNo.:

251367F5

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

FC

Species Specificity:

mouse

Positive Controls:

FC : mouse peritoneal macrophages, RAW 264.7 cells

Background Information

CD204, also known as MSR1, belongs to the scavenger receptor family, which is mainly expressed on the surface of macrophages. CD204 plays a key inflammatory role in various pathophysiological processes, including atherosclerosis, innate and adaptive immunity, lung and liver disease, and cancer. CD204 binds to a variety of ligands, including modified low-density lipoproteins (LDL) and lipids, and is involved in endocytosis, positive regulation of cholesterol storage, and positive regulation of macrophage-derived foam cell differentiation. Studies have shown that CD204 is significantly increased in peripheral blood mononuclear cells (PBMCs) from patients with asthma and chronic obstructive pulmonary disease (COPD), which may serve as a disease marker.

Storage

Storage:

Store at 2 - 8°C. 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:

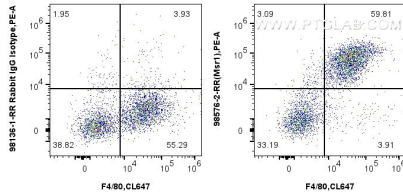
T: 4006900926

E: Proteintech-CN@ptglab.com

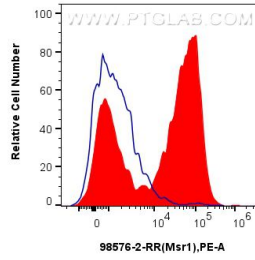
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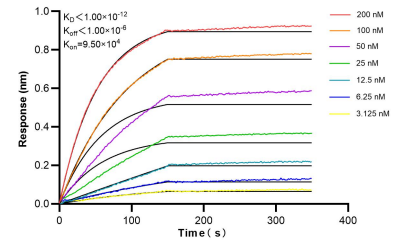
Selected Validation Data



1x10⁶ mouse peritoneal macrophages were surface stained with 0.25 ug Anti-Mouse CD204 Rabbit RecAb (98576-2-RR, Clone: 251367F5) or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were then stained with CoraLite® Plus 647 Anti-Mouse F4/80. Cells were not fixed.



1x10⁶ mouse peritoneal macrophages were surface stained with 0.25 ug Anti-Mouse CD204 Rabbit RecAb (98576-2-RR, Clone: 251367F5) (red) or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed.



Bi-layer interferometry (BLI) kinetic assays of 98576-2-RR against Mouse CD204 were performed. The affinity constant is below 1 pM.