

For Research Use Only

Anti-Mouse CD204 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98576-2-PBS



Basic Information

Catalog Number: 98576-2-PBS	GenBank Accession Number: NM_001113326.1	Purification Method: Protein A purification
Size: 1mg, 3 mg/ml	GeneID (NCBI): 20288	CloneNo.: 251367F5
Source: Rabbit	UNIPROT ID: P30204-1	
Isotype: IgG	Full Name: macrophage scavenger receptor 1	
Immunogen Catalog Number: EG4727	Calculated MW: 50 kDa	

Applications

Tested Applications:
FC

Species Specificity:
mouse

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

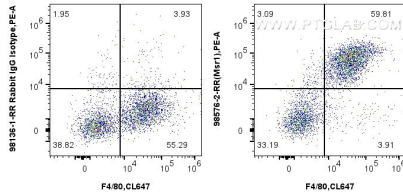
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

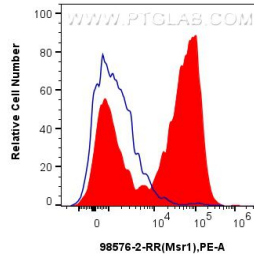
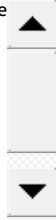
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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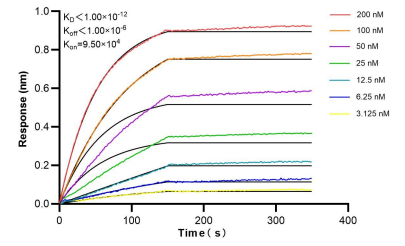
Selected Validation Data



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. This data was developed using the same antibody clone with 98576-2-PBS in a different storage



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. This data was developed using the same antibody clone with 98576-2-PBS in a different storage buffer formulation.



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