C5AR1/CD88 Recombinant antibody

Catalog Number:**98226-1-RR**

proteintech®
Antibodies | ELISA kits | Proteins
Uni-rAb
www.ptglab.com

Basic Information

Catalog Number:
98226-1-RR

Size:
100ug , 1000 μg/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_001736.4

GeneID (NCBI):
728

UNIPROT ID:
P21730

Full Name:
complement component 5a receptor 1

Calculated MW:
39kDa

Purification Method:
Protein A purfication

CloneNo.:
241712D4

Applications

Tested Applications:
FC

Species Specificity:
human

Background Information

C5aR, also named CD88, is a G protein-coupled receptor for the anaphylatoxin C5a, a cleavage product of the complement cascade. The C5a ligand is a proinflammatory component of host defense. C5aR is activated upon binding of the C5a molecule. Receptor activation stimulates chemotaxis, granule enzyme release, intracellular calcium release, and superoxide anion production.

Storage

Storage:
Store at 2 - 8°C. Stable for one year after shipment.
Storage Buffer:
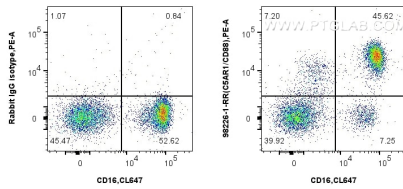PBS with 0.09% sodium azide, pH 7.3.


1x10^6 human peripheral blood leukocytes were surface stained with 0.25 ug Anti-Human C5AR1/CD88 Rabbit Recombinant Antibody (98226-1-RR, Clone: 241712D4) 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 CoraLite® Plus 647 Anti-Human CD16. Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.
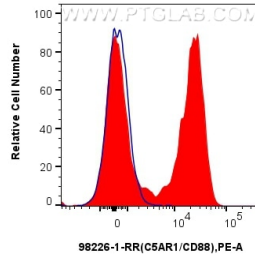
1x10^6 human peripheral blood leukocytes were surface stained with 0.25 ug Anti-Human C5AR1/CD88 Rabbit Recombinant Antibody (98226-1-RR, Clone: 241712D4) (red) or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.
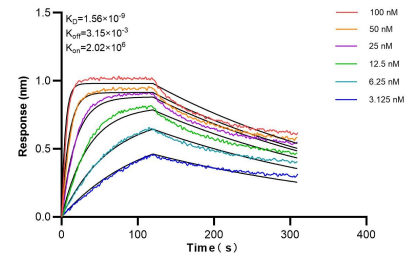
Biolayer interferometry (BLI) kinetic assays of 98226-1-RR against Human C5AR1/CD88 were performed. The affinity constant is 1.56 nM.