

For Research Use Only

Anti-Mouse CCL12/MCP-5 Rabbit Recombinant Antibody

Catalog Number: 98542-1-RR



Basic Information

Catalog Number:

98542-1-RR

Size:

100ug, 1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG3315

GenBank Accession Number:

NM_011331.2

GeneID (NCBI):

20293

UNIPROT ID:

Q62401

Full Name:

chemokine (C-C motif) ligand 12

Calculated MW:

12KD

Purification Method:

Protein A purification

CloneNo.:

250386G10

Recommended Dilutions:

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

Applications

Tested Applications:

FC (Intra)

Species Specificity:

mouse

Positive Controls:

FC (Intra): Transfected HEK-293T cells,

Background Information

CCL12 (monocyte chemoattractant protein-5, MCP-5) is a murine CC-chemokine encoded within the chemokine cluster on chromosome 11. It is the closest murine homologue of human MCP-1 (CCL2), sharing 66 % amino-acid identity, and signals exclusively through the G-protein-coupled receptor CCR2. CCL12 is produced by stromal cells, astrocytes, macrophages and, under inflammatory conditions, by lung and bone-marrow stromal cells. Its receptor, CCR2, is expressed on monocytes, memory T cells, NK cells, dendritic cells and basophils. Consequently, CCL12 potently chemoattracts monocytes, lymphocytes, eosinophils and bone-marrow-derived fibrocytes, but not neutrophils.

Storage

Storage:

Store at 2 - 8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

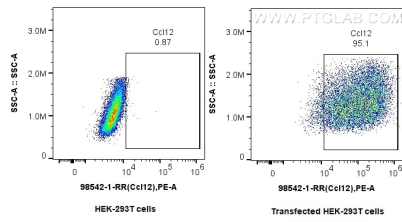
For technical support and original validation data for this product please contact:

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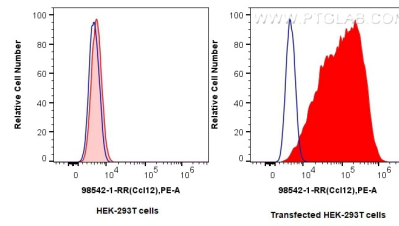
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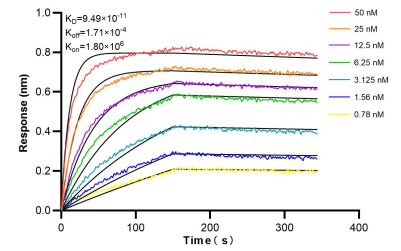
Selected Validation Data



1x10⁶ HEK-293T cells and CCL12/MCP-5-transfected HEK-293T cells were intracellularly stained with 0.25 ug Anti-Mouse Ccl12 Rabbit RecAb (98542-1-RR, Clone:250386G10) and APC-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.



1x10⁶ HEK-293T cells (left) or CCL12/MCP-5-transfected HEK-293T cells (right) were intracellularly stained with 0.25 ug Anti-Mouse CCL12/MCP-5 Rabbit RecAb (98542-1-RR, Clone:250386G10) and APC-Conjugated Goat Anti-Rabbit IgG(H+L) (red) or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.



Biolayer interferometry (BLI) kinetic assays of 98542-1-RR against Mouse CCL12/MCP-5 were performed. The affinity constant is 94.9 pM.