

CCL5 Rabbit pAb

Catalog No.: A24848

Basic Information

Observed MW

13kDa

Calculated MW

10kDa

Category

Primary antibody

Applications

ELISA, WB

Cross-Reactivity

Rat

Background

This gene is one of several chemokine genes clustered on the q arm of chromosome 17. Chemokines are a superfamily of secreted proteins involved in immune regulation and inflammatory processes. According to the arrangement of N-terminal cysteine residues in mature peptides, the superfamily is divided into four subfamilies. This chemotactic factor belongs to the CC subfamily and is a chemotactic agent for blood monocytes, memory T helper cells, and eosinophils. It causes basophils to release histamine and activate eosinophils. This cytokine is one of the main HIV inhibitors produced by CD8+ cells. It is one of the natural ligands of chemokine receptor chemokine receptor 5 (CCR5), which inhibits in vitro replication of HIV-1 R5 strains using CCR5 as a co receptor. Optional splicing leads to multiple transcriptional variants encoding different isomers.

Recommended Dilutions

WB 1:1000 - 1:5000

Immunogen Information

Gene ID

81780

Swiss Prot

P50231

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 29-52 of rat CCL5(AAA96499.1).

Synonyms

C-C motif chemokine 5

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

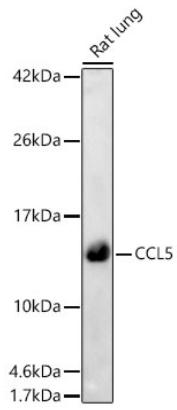
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of lysates from Rat lung using CCL5 Rabbit pAb(A24848) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 180s.