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Anti-CCL5 / RANTES Reference Antibody (NI-0701)

Recombinant Antibody
Catalog # APR10276

Specification

Anti-CCL5 / RANTES Reference Antibody (NI-0701) - Product Information

Application	**FC, E, FTA**
Primary Accession	P13501
Reactivity	**Cynomolgus, Human, Mouse**
Clonality	**Monoclonal**
Isotype	**IgG2SA**
Calculated MW	**145 KDa**

Anti-CCL5 / RANTES Reference Antibody (NI-0701) - Additional Information

Target/Specificity
CCL5 / RANTES

Endotoxin
< 0.001EU/ μg,determined by LAL method.

Conjugation
Unconjugated

Expression system
CHO Cell

Format
Purified monoclonal antibody supplied in 100mM Pro-Ac, 20mM Arg, pH5.0, without preservative.This antibody is purified through a protein A column.

Anti-CCL5 / RANTES Reference Antibody (NI-0701) - Protein Information

Name CCL5

Synonyms D17S136E, SCYA5

Function
Chemoattractant for blood monocytes, memory T-helper cells and eosinophils. Causes the release of histamine from basophils and activates eosinophils. May activate several chemokine receptors including CCR1, CCR3, CCR4 and CCR5. One of the major HIV-suppressive factors produced by CD8+ T-cells. Recombinant RANTES protein induces a dose-dependent inhibition of different strains of HIV-1, HIV-2, and simian immunodeficiency virus (SIV). The processed form RANTES(3-68) acts as a natural chemotaxis inhibitor and is a more potent inhibitor of HIV-1-infection. The second processed form RANTES(4-68) exhibits reduced chemotactic and HIV-suppressive activity compared with RANTES(1-68) and RANTES(3-68) (PubMed:1380064, PubMed:15923218, PubMed:<a

href="http://www.uniprot.org/citations/16791620" target="_blank">16791620, PubMed:8525373, PubMed:9516414). May also be an agonist of the G protein-coupled receptor GPR75, stimulating inositol trisphosphate production and calcium mobilization through its activation. Together with GPR75, may play a role in neuron survival through activation of a downstream signaling pathway involving the PI3, Akt and MAP kinases. By activating GPR75 may also play a role in insulin secretion by islet cells (PubMed:23979485).

Cellular Location
Secreted.

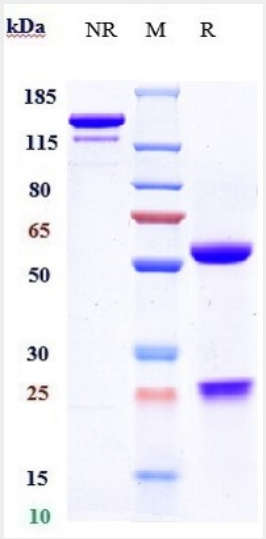
Tissue Location
Expressed in the follicular fluid (at protein level). T-cell and macrophage specific.

Anti-CCL5 / RANTES Reference Antibody (NI-0701) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-CCL5 / RANTES Reference Antibody (NI-0701) - Images



Anti-CCL5 / RANTES Reference Antibody (NI-0701) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%

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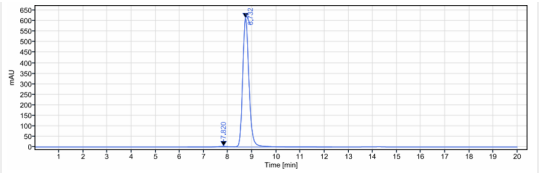

The purity of Anti-CCL5 / RANTES Reference Antibody (NI-0701)is more than 98.94% ,determined by SEC-HPLC.