

Eotaxin 3 Antibody / CCL26 (R31495)

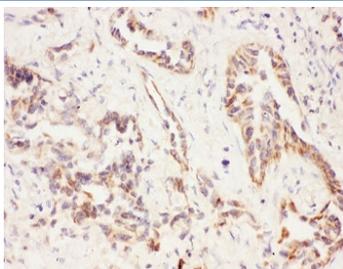
Catalog No.	Formulation	Size
R31495	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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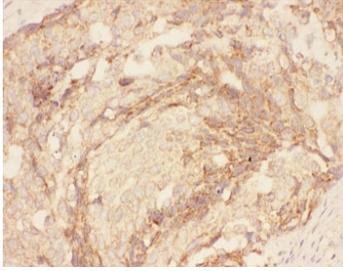
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
Gene ID	10344
Localization	Secreted
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 0.5-1ug/ml
Limitations	This Eotaxin 3 antibody is available for research use only.



Western blot testing of human 1) COLO320, 2) A549 and 3) HT1080 lysate with Eotaxin antibody. Predicted molecular weight ~11 kDa.



Eotaxin 3 Antibody immunohistochemistry of human lung cancer tissue. FFPE human lung cancer tissue stained with Eotaxin 3 antibody, a rabbit polyclonal antibody recognizing C-C motif chemokine ligand 26 (CCL26), also known as Eotaxin-3. Brown chromogenic staining is observed in tumor epithelial cells and surrounding stromal components, consistent with the known expression of Eotaxin-3 in epithelial tissues and inflammatory microenvironments where the chemokine participates in eosinophil recruitment and immune signaling.



Eotaxin 3 Antibody immunohistochemistry of human breast cancer tissue. FFPE human breast cancer tissue stained with Eotaxin 3 antibody, a rabbit polyclonal antibody recognizing C-C motif chemokine ligand 26 (CCL26), also known as Eotaxin-3. Brown chromogenic staining is observed in tumor epithelial cells and surrounding stromal cells, consistent with reported expression of Eotaxin-3 in epithelial tumors and inflammatory microenvironments where this chemokine contributes to eosinophil recruitment and immune signaling.

Description

C-C motif chemokine ligand 26 (CCL26), commonly known as Eotaxin-3, is a secreted chemokine involved in immune cell recruitment during inflammatory responses. The protein belongs to the CC chemokine family and functions primarily as a chemoattractant for eosinophils through interaction with the chemokine receptor CCR3. Eotaxin 3 Antibody enables detection of this chemokine in studies investigating allergic inflammation, immune signaling, and cytokine-mediated recruitment of immune cells.

Eotaxin-3 is produced by several cell types including epithelial cells, endothelial cells, fibroblasts, and smooth muscle cells in response to inflammatory cytokines such as interleukin-4 and interleukin-13. The chemokine plays an important role in the recruitment and activation of eosinophils, a type of granulocyte involved in allergic responses and parasitic defense. Because of its strong eosinophil chemotactic activity, the protein is frequently referred to in the literature as CCL26 antibody, Eotaxin-3 antibody, or Eotaxin 3 antibody, reflecting its classification within the CC chemokine ligand family.

CCL26 participates in immune signaling pathways associated with allergic diseases and type 2 immune responses. Elevated expression of Eotaxin-3 has been reported in conditions characterized by eosinophilic inflammation, including asthma, allergic rhinitis, and eosinophilic gastrointestinal disorders. In epithelial tissues, production of Eotaxin-3 contributes to the recruitment of eosinophils and other immune cells to sites of inflammation, thereby amplifying local immune responses.

Because of its involvement in allergic inflammation and immune cell recruitment, detection of CCL26 expression is widely used in studies examining cytokine signaling, inflammatory pathways, and immune cell migration. Expression of Eotaxin-3 has also been investigated in epithelial tissues of the respiratory and gastrointestinal tracts, where the chemokine can contribute to mucosal immune responses and inflammatory disease processes.

This rabbit polyclonal antibody recognizes Eotaxin-3 / CCL26 and supports research investigating chemokine signaling pathways, immune cell recruitment, and inflammatory responses. An Eotaxin 3 antibody can be used to detect CCL26 expression in studies examining allergic inflammation, cytokine regulation, and eosinophil-mediated immune responses.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Eotaxin 3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human partial recombinant protein (AA 24-94) was used as the immunogen for this Eotaxin 3 antibody.

Storage

After reconstitution, the Eotaxin 3 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Alternate Names

CCL26 antibody, Eotaxin-3 antibody, Eotaxin 3 antibody, C-C motif chemokine 26 antibody