Eotaxin 3 Antibody C Terminus / CCL26 Antibody (R30523)

Catalog No.	Formulation	Size
R30523	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

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/thimerosal
UniProt	Q9Y258
Applications	Western Blot : 0.5-1ug/ml
Limitations	This Eotaxin 3 antibody is available for research use only.

Eotaxin 3 Antibody C Terminus western blot analysis detecting CCL26. Lane 1: human COLO320 lysate, Lane 2: human A549 lysate. A band is detected at approximately 11 kDa, consistent with the predicted molecular weight of Eotaxin-3 / C-C motif chemokine ligand 26 (CCL26). The detected signal corresponds to the small secreted chemokine produced by epithelial and tumor cells, which functions as a CCR3 ligand involved in eosinophil recruitment and type 2 inflammatory signaling pathways.

Description

C-C motif chemokine ligand 26 (CCL26), commonly known as Eotaxin-3, is a secreted chemokine that plays a key role in immune cell recruitment during inflammatory responses. As a member of the CC chemokine family, the protein functions primarily as a chemoattractant for eosinophils through interaction with the chemokine receptor CCR3. Eotaxin 3 Antibody C Terminus recognizes the carboxyl-terminal portion of the CCL26 protein and enables detection of Eotaxin-3 expression in studies investigating allergic inflammation, immune signaling, and cytokine-mediated immune cell recruitment.

Antibodies directed against the carboxyl-terminal region of this chemokine are frequently described in the literature as

Eotaxin 3 C-terminal antibody, Eotaxin 3 C-terminus antibody, or CCL26 C-terminal antibody, reflecting recognition of the C-terminal domain of the Eotaxin-3 protein. Detection of the C-terminus can be useful for studies investigating chemokine processing, secretion, and extracellular signaling events because secreted chemokines often undergo cleavage or modification after synthesis. A C-terminal Eotaxin 3 antibody therefore provides a useful tool for studying chemokine structure, processing, and receptor interaction dynamics.

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 participates in type 2 immune responses by recruiting eosinophils to sites of inflammation. Increased expression of CCL26 has been reported in allergic inflammatory conditions including asthma, allergic rhinitis, and eosinophilic gastrointestinal disorders. Because of this role in eosinophil recruitment, detection of Eotaxin-3 expression is widely used in studies examining allergic inflammation and immune cell migration.

Expression of CCL26 has also been investigated in epithelial tissues and tumor microenvironments where inflammatory cytokine signaling may induce chemokine production. In these contexts, Eotaxin-3 can contribute to immune cell recruitment within the tumor microenvironment and influence inflammatory signaling networks in epithelial cancers. Detection using an Eotaxin 3 antibody supports research examining chemokine regulation, cytokine signaling pathways, and inflammatory responses in epithelial and immune tissues.

This rabbit polyclonal antibody recognizes the C-terminal region of Eotaxin-3 / CCL26. An Eotaxin 3 antibody targeting the C-terminus supports studies investigating chemokine secretion, immune signaling mechanisms, and expression patterns of CCL26 in inflammatory and epithelial tissue environments.

Explore our Eotaxin-3 Antibody page for additional information on this eosinophil chemoattractant involved in allergic inflammation, immune signaling, and tumor-associated inflammatory responses.

Application Notes

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

Immunogen

An amino acid sequence from the C-terminus of human Eotaxin 3 (CTHPRKKWVQKYISLLKTPKQL) 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 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Alternate Names

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