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Anti-Eotaxin Picoband Antibody

Catalog # ABO12255

Product Information

Application	WB, E
Primary Accession	P51671
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Eotaxin(CCL11) detection. Tested with WB, ELISA in Human.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	6356
Other Names	Eotaxin, C-C motif chemokine 11, Eosinophil chemotactic protein, Small-inducible cytokine A11, CCL11, SCYA11
Calculated MW	10732
Application Details	Western blot, 0.1-0.5 □g/ml, Human, - ELISA , 0.1-0.5 □g/ml, Human
Subcellular Localization	Secreted.
Source	Eukaryota
Protein Name	Eotaxin
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Immunogen	E. coli-derived human Eotaxin recombinant protein (Position: G24-P97). Human Eotaxin shares 61.6% and 63% amino acid (aa) sequence identity with mouse and rat Eotaxin, respectively.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.
Sequence Similarities	Belongs to the intercrine beta (chemokine CC) family.

Protein Information

Name	CCL11
Synonyms	SCYA11
Function	Chemokine that plays a central role in both allergic and non- allergic inflammatory reactions by inducing the migration of different leukocyte types including eosinophils, basophils, macrophages and dendritic cells (PubMed:8597956, PubMed:33846499). Exerts its effects primarily by binding to the CCR3 receptor (PubMed:8631813). Induces also chemotaxis of endothelial cells and promotes angiogenesis by activating the PI3K/Akt pathway (PubMed:28279120).
Cellular Location	Secreted

Background

CCL11 (Chemokine (C-C motif) ligand 11), also known as Eotaxin, is a small cytokine belonging to the CC chemokine family. Eotaxin selectively recruits eosinophils by inducing their chemotaxis, and therefore, is implicated in allergic responses. The effects of Eotaxin are mediated by its binding to a G-protein-linked receptor known as a chemokine receptor. Chemokine receptors for which Eotaxin is a ligand include CCR2, CCR3 and CCR5. However, it has been found that eotaxin-1 (CCL11) has high degree selectivity for its receptor, such that they are inactive on neutrophils and monocytes, which do not express CCR3. The gene for human Eotaxin is encoded on three exons and is located on chromosome 17q12.

Images



Anti- Eotaxin Picoband antibody, ABO12255, Western blottingAll lanes: Anti Eotaxin (ABO12255) at 0.5ug/mlWB: HELA Whole Cell Lysate at 40ugPredicted bind size: 11KDObserved bind size: 11KD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.