

Anti-Eotaxin Antibody

Catalog # ABO10849

Product Information

Application	WB
Primary Accession	P48298
Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Eotaxin(CCL11) detection. Tested with WB in Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	20292
Other Names	Eotaxin, C-C motif chemokine 11, Eosinophil chemotactic protein, Small-inducible cytokine A11, Ccl11, Scya11
Calculated MW	10893
Application Details	Western blot, 0.1-0.5 µg/ml, Mouse, Rat
Subcellular Localization	Secreted.
Tissue Specificity	Expressed constitutively in the thymus. Expression inducible in the lung (type I alveolar epithelial cells), intestine, heart, spleen, kidney.
Source	Eukaryota
Protein Name	Eotaxin
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse Eotaxin(73-93aa CADPKKKWVQDATKHLDQKLQ), identical to the related rat sequence.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After reconstitution, 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.

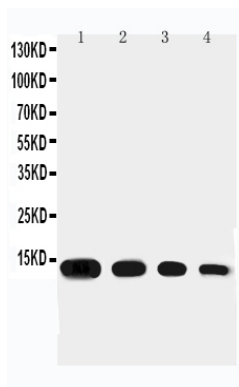
Protein Information

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: 7568052 , PubMed: 8574847). Exerts its effects primarily by binding to the CCR3 receptor. Induces also chemotaxis of endothelial cells and promotes angiogenesis by activating the PI3K/Akt pathway.
Cellular Location	Secreted {ECO:0000250 UniProtKB:P51671, ECO:0000305 PubMed:7568052}
Tissue Location	Expressed constitutively in the thymus. Expression inducible in the lung (type I alveolar epithelial cells), intestine, heart, spleen, kidney.

Background

Eotaxin, also known as CCL11 (Chemokine (C-C motif) ligand 11), 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 antibody, ABO10849, Western blotting
1: Recombinant mouse Eotaxin Protein 10ng Lane 2:
Recombinant mouse Eotaxin Protein 5ng Lane 3:
Recombinant mouse Eotaxin Protein 2.5ng Lane 4:
Recombinant mouse Eotaxin Protein 1.25ng

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