

Anti-Eotaxin Picoband Antibody

Catalog # ABO11781

Product Information

Application	WB
Primary Accession	P48298
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Eotaxin(CCL11) detection. Tested with WB in Mouse.

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
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 NaN ₃ .
Immunogen	E.coli-derived mouse Eotaxin recombinant protein (Position: H24-P97). Mouse Eotaxin shares 62% and 97% amino acid (aa) sequences identity with human and rat Eotaxin, respectively.
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.

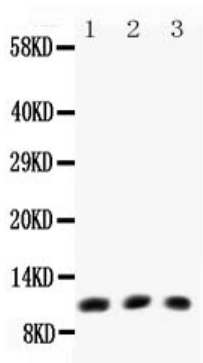
Protein Information

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

CCL11, also known as Eotaxin, is a potent inducer of eosinophil chemotaxis and is considered as a selective ligand of the CC chemokine receptor 3 (CCR3), which is expressed on eosinophils, basophils, and Th2 lymphocytes. The gene maps to chromosome 17 and is expressed constitutively at high levels in small intestine and colon, and at lower levels in various other tissues. CCL11 is a small cytokine belonging to the CC chemokine family. It is assumed to be involved in eosinophilic inflammatory diseases such as atopic dermatitis, allergic rhinitis, asthma and parasitic infections. The effects of CCL11 are mediated by its binding to a G-protein-linked receptor known as a chemokine receptor.

Images



Anti-Eotaxin Picoband antibody, ABO11781-1.jpgAll lanes:
Anti-Eotaxin(ABO11781) at 0.5ug/mL
Lane 1: Mouse Lung
Tissue Lysate at 40ug
Lane 2: Mouse Intestines Tissue
Lysate at 40ug
Lane 3: HEPA Whole Cell Lysate at
40ug
Predicted bind size: 11KD
Observed bind size: 11KD

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