

Anti-Eotaxin/Ccl11 Antibody Picoband™

Catalog Number: A01438-2

About Ccl11

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.

Overview

Product Name	Anti-Eotaxin/Ccl11 Antibody Picoband™
Reactive Species	Rat
Description	Boster Bio Anti-Eotaxin/Ccl11 Antibody Picoband™ catalog # A01438-2. Tested in ELISA, IHC applications. This antibody reacts with Rat.
Application	ELISA, IHC
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage Instructions	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P97545

Technical Details

Immunogen	E.coli-derived rat Eotaxin/Ccl11 recombinant protein (Position: H24-P97).
Predicted Reactive Species	Human
Recommended Detection Systems	Boster recommends HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.

Suggested Dilutions

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

Immunohistochemistry(Paraffin-embedded Section), 2-5 ug/ml, Rat

Direct ELISA, 0.1-0.5 ug/ml, Rat

Anti-Eotaxin/Ccl11 Antibody Picoband™ (A01438-2) Images

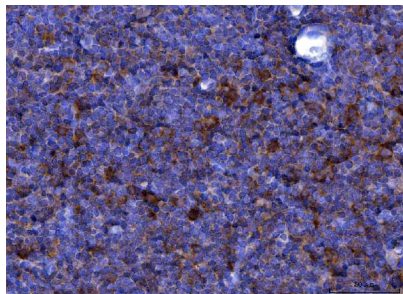


Figure 1. IHC analysis of Eotaxin/Ccl11 using anti-Eotaxin/Ccl11 antibody (A01438-2). Eotaxin/Ccl11 was detected in a paraffin-embedded section of rat lymphaden tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-Eotaxin/Ccl11 Antibody (A01438-2) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

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