Product datasheet

Anti-Eotaxin/CCL11 Antibody

Catalog Number: *PB0613*

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Basic Information

Product Name	Anti-Eotaxin/CCL11 Antibody
Gene Name	CCL11
Source	Rabbit
Isotype	IgG
Species Reactivity	human
Tested Application	WB, ELISA
Contents	500 ug/ml antibody with PBS， 0.02% NaN3 , 1 mg BSA and 50% glycerol.
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.
concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	11KD
Dilution Ratios	Western blot(WB):1:500-2000 ELISA: 1:100-1000

Storage

12 months from date of receipt，-20℃ as supplied. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

Background Information

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.

Selected Validation Data

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Figure 1. Western blot analysis of Eotaxin using anti-Eotaxin antibody (PB0613). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: HELA Whole Cell Lysate. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Eotaxin antigen affinity purified polyclonal antibody (Catalog # PB0613) at 0.5 µg/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for Eotaxin at approximately 11KD. The expected band size for Eotaxin is at 11KD.