

Eotaxin Rat

Description: Eotaxin Rat Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 74 amino acids and having a molecular mass of 8.4kDa. The CCL11 is purified by proprietary chromatographic techniques.

Catalog #: CHPS-267

Synonyms: Small inducible cytokine A11, CCL11, Eosinophil chemotactic protein, chemokine (C-C motif) ligand 11, SCYA11.

For research use only.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Amino Acid Sequence: HPGSIPTSCC FTMTSKKIPN TLLKSYKRIT NNRCTLKAIV
FKTKLGKEICADPKKKWVQD ATKHLDQKLQ TPKP

Purity: Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Formulation:

Filtered (0.2

Stability:

Lyophilized Eotaxin although stable at room temperature for 3 weeks, should be stored desiccated below -18C. Upon reconstitution CCL11 should be stored at 4C between 2-7 days and for future use below -18C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Solubility:

It is recommended to reconstitute the lyophilized Eotaxin in sterile 18M-cm H₂O not less than 100

Introduction:

Chemokine (C-C motif) ligand 11 (CCL11) is a small cytokine belonging to the CC chemokine family that is also known as eotaxin. CCL11 selectively recruits eosinophils by inducing their chemotaxis, and therefore, is implicated in allergic responses. The effects of CCL11 are mediated by its binding to a G-protein-linked receptor known as a chemokine receptor. Chemokine receptors for which CCL11 is a ligand include CCR2, CCR3 and CCR5. The gene for human CCL11 (scya11) is encoded on three exons and is located on chromosome 17.

Biological Activity:

Fully biologically active. Determined by its ability to chemoattract purified blood eosinophils using a concentration range of 0.1-1.0 µg/ml, corresponding to a Specific Activity of 10-100IU/mg.

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