Eotaxin Murine E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Murine
Other names: Small-inducible cytokine A11, Eosinophil chemotactic protein, Small inducible cytokine subfamily A (Cys-Cys), member 11, CCL11

Cat. No.:

RBG20064005	(5 µg)
RBG20064020	(20 µg)
RBG20064100	(100 µg)

Description

Eotaxin is a CC chemokine that signals through the CCR3 receptor. It is produced by IFN-?-stimulated endothelial cells and TNF-activated monocytes. Eotaxin selectively chemoattracts eosinophils and, along with Eotaxin-2 and Eotaxin-3, plays a key role in the regulation of eosinophil recruitment in the asthmatic lung and in allergic reactions. Recombinant Murine Eotaxin is an 8.4 kDa protein containing 74 amino acid residues, including the four highly conserved cysteine residues present in CC chemokines.

Research topic

Animal studies, Cytokines and chemokines and related molecules, Immune Response, Infection and Inflammation

Amino Acid Sequence

HPGSIPTSCC FIMTSKKIPN TLLKSYKRIT NNRCTLKAIV FKTRLGKEIC ADPKKKWVQD ATKHLDQKLQ TPKP

Source

E. coli

Purity

98%

Biological Activity

Murine Eotaxin was found to induce chemotaxis of purified eosinophils at concentrations ranging between 100-1000 ng/ml.

Endotoxin

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

Reconstitution

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Storage, Stability/Shelf Life

-20°C

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