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32-1878: rmEotaxin Recombinant Protein

Alternative Name : Small inducible cytokine A11,CCL11,Eosinophil chemotactic protein,chemokine (C-C motif) ligand 11,SCYA11,MGC22554.

Description

Source : Escherichia Coli. Recombinant Eotaxin Rhesus Macaque produced in E.coli cells is a non-glycosylated, homodimeric protein containing 74 amino acid chain and having a molecular mass of 8.4kDa. The Eotaxin is purified by proprietary chromatographic techniques. 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.

Product Info

Amount :	20 µg
Purification :	Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	The Eotaxin was lyophilized from a 0.2µm filtered concentrated solution in 2xPBS, pH 7.0.
Storage condition :	Lyophilized Eotaxin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Eotaxin should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
Amino Acid :	GPDSVATTCC FTLTNKKIPL QRLESYRRII SGKCPQKAVI FKTKLAKDIC ADPKKKWVQD SMKYLDRKSP TPKP

Application Note

It is recommended to reconstitute the lyophilized Eotaxin Recombinant in sterile distilled H2O not less than 100Âµg/ml, which can then be further diluted to other aqueous solutions. Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human peripheral blood eosinophils is in a concentration range of 0.1-10.0 ng/ml corresponding to a specific activity of 1.0 Ã— 105 - 1.0 Ã— 107 IU/mg.