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Eotaxin-3/CCL26

Catalog # PVGS1137

Product Information

Primary Accession	Q9Y258
Species	Human
Sequence	Thr24-Leu94
Purity	> 97% as analyzed by SDS-PAGE > 97% as analyzed by HPLC
Endotoxin Level	
Biological Activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human CCR3 transfected HEK 293 cells is in a concentration range of 0.5-2.0 g/ml.
Expression System	E. coli
Theoretical Molecular Weight	8.4 kDa
Formulation	Lyophilized from a 0.2 m filtered solution in PBS, pH 7.4.
Reconstitution	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml.
Storage & Stability	Upon receiving, this product remains stable for up to 6 months at -70°C or -20°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. Avoid repeated freeze-thaw cycles.

Additional Information

Gene ID	10344
Other Names	C-C motif chemokine 26, CC chemokine IMAC {ECO:0000303|Ref.5}, Eotaxin-3, Macrophage inflammatory protein 4-alpha, MIP-4-alpha, Small-inducible cytokine A26, Thymic stroma chemokine-1 {ECO:0000303|Ref.4}, TSC-1 {ECO:0000303|Ref.4}, CCL26 (HGNC:10625)
Target Background	Eotaxin-3, also named CCL26 or SCYA26, is a novel human CC chemokine coded by CXCL26 gene at chromosome 7 in human. Recombinant Eotaxin3/CCL26 has been produced in insect cells using a baculovirus expression system and shown to contain 71 aa residues. Recombinant Eotaxin3/CCL26 is chemotactic for eosinophils and PHAactivated T cells. Eotaxin3/CCL26 induces calcium flux in eosinophils as well as in CCR3 transfected cells. Eotaxin3/CCL26 has also been shown to crossdesensitize cells to other CCR3 ligands. Both the 71 aa residue and 68 aa residue variants

of recombinant Eotaxin3 have been expressed in E. coli and found to have equal potency in inducing chemotaxis of a human CCR3 transfected cell line.

Protein Information

Name	CCL26 (HGNC:10625)
Function	Chemoattractant for eosinophils and basophils (PubMed: 10415065, PubMed:10488147). Acts as a ligand for C-C chemokine receptor CCR3 which triggers Ca(2+) mobilization in eosinophils (PubMed:10415065, PubMed:10488147, PubMed:11425309). Also acts as a ligand for CX3C chemokine receptor CX3CR1, inducing cell chemotaxis (PubMed:20974991).
Cellular Location	Secreted.
Tissue Location	Ubiquitously expressed at low levels in various tissues including heart and ovary.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.