

**Eotaxin-3/CCL26**  
**Catalog # PVGS1137****Specification**

---

**Eotaxin-3/CCL26 - Product Information**Primary Accession [Q9Y258](#)**Species**  
Human**Sequence**  
Thr24-Leu94**Purity**  
> 97% as analyzed by SDS-PAGE<br>> 97% as analyzed by HPLC**Endotoxin Level**  
< 1 EU/ µg of protein by LAL method**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 µg/ml.**Expression System**  
E. coli**Theoretical Molecular Weight**  
8.4 kDaFormulation **Lyophilized from a 0.2 µm 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.**Eotaxin-3/CCL26 - 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 (<a

href="http://www.genenames.org/cgi-bin/gene\_symbol\_report?hgnc\_id=10625"  
target="\_blank">HGNC:10625</a>)

### 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.

## Eotaxin-3/CCL26 - Protein Information

**Name** CCL26 ([HGNC:10625](#))

### Function

Chemoattractant for eosinophils and basophils (PubMed:<a href="http://www.uniprot.org/citations/10415065" target="\_blank">10415065</a>, PubMed:<a href="http://www.uniprot.org/citations/10488147" target="\_blank">10488147</a>). Acts as a ligand for C-C chemokine receptor CCR3 which triggers Ca(2+) mobilization in eosinophils (PubMed:<a href="http://www.uniprot.org/citations/10415065" target="\_blank">10415065</a>, PubMed:<a href="http://www.uniprot.org/citations/10488147" target="\_blank">10488147</a>, PubMed:<a href="http://www.uniprot.org/citations/11425309" target="\_blank">11425309</a>). Also acts as a ligand for CX3C chemokine receptor CX3CR1, inducing cell chemotaxis (PubMed:<a href="http://www.uniprot.org/citations/20974991" target="\_blank">20974991</a>).

### Cellular Location

Secreted.

### Tissue Location

Ubiquitously expressed at low levels in various tissues including heart and ovary.

## Eotaxin-3/CCL26 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Eotaxin-3/CCL26 - Images