

DATASHEET
Version 20181206**Eotaxin-3/CCL26, Human****Cat. No.:** Z02898-1**Size:** 1.0 mg**Synonyms:** Eotaxin-3 Human; CCL26 Human**Description:**

Eotaxin3, 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.

Amino Acid Sequence:

00001 TRGSDISKTC CFQYSHKPLP WTWVRSYEFT SNSCSQRAVI
00041 FTTKRGKKVC THPRKKWVQK YISLLKTPKQ L

Source: *E. coli***Species:** Human

Biological Activity: Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human CCR3 transfected HEK293 cells is in a concentration range of 0.5-2.0 µg/ml.

Molecular Weight: Approximately 8.4 kDa, a single non-glycosylated polypeptide chain containing 71 amino acid residues.

Formulation: Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.

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

Reconstitution: We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

Purity: > 97 % by SDS-PAGE and HPLC analyses.

Endotoxin Level: Less than 1 EU/µg of rHuEotaxin-3/CCL26 as determined by LAL method.

Storage: This lyophilized preparation is stable at 2-8 °C, but should be kept at -20 °C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8 °C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20 °C to -70 °C. Avoid repeated freeze/thaw cycles.