

PRODUCT DATA SHEET



Bioworld Technology, Inc.

Recombinant Human Eotaxin-3/CCL26 (rHuEotaxin-3/CCL26)

Catalog Number: PR1018

Source: Escherichia coli.

Quantity: 5µg/20µg/1.0mg

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.

Molecular Weight:

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

Purity:

>97% by SDS-PAGE and HPLC analyses.

Biological Activity:

Measured by its ability to chemoattract mouse CCR3 transfected BaF3 mouse proB cells.

The ED50 for this effect is typically 0.3-0.5µg/mL.

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

Lyophilized from a 0.2mm filtered concentrated solution in PBS, pH 7.4.

AA Sequence:

T R G S D I S K T C C F Q Y S H K P L P W T W V R S Y
E F T S N S C S Q R A V I F T T K R G K K V C T H P R
K K W V Q K Y I S L L K T P K Q L

Endotoxin:

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

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.

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.

Usage:

This material is offered by USA Bioworld biotech for research, laboratory or further evaluation purposes. NOT FOR HUMAN USE. Made in China

MADE IN CHINA

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