



Eotaxin-3, human recombinant (CCL26) (rhuCCL26)

Catalog No:	99956
Lot No:	XXXXX
Source:	<i>E. coli</i>
Synonyms:	C-C motif chemokine 26, Small-inducible cytokine A26, Eotaxin-3, Macrophage inflammatory protein 4-alpha, MIP-4-alpha, Thymic stroma chemokine-1, TSC-1, CC chemokine IMAC, CCL26, SCYA26, IMAC, MIP-4a, MGC126714, MIP-4alpha

Background

Eotaxin-3 (CCL26) is a small cytokine that belongs to the CC chemokine family, also known as TARC (thymus and activation regulated chemokine). CCL26 is a major eotaxin, which is produced and released by alveolar epithelial cells, involved in autoregulation of CCR3 receptors and other eotaxins. Eotaxin-3 is involved in immunoregulatory and inflammatory processes. It specifically binds and stimulates chemotaxis in T cells and elicits its effects by interacting with the chemokine receptor CCR4. CCL26 exhibits chemotactic activity for normal peripheral blood eosinophils and basophils. Eotaxin-3 may play a part in the eosinophil accumulation in atopic diseases. It is overexpressed in eosinophilic esophagitis and the expression level correlates with disease severity. Eotaxin-3 is expressed constitutively in thymus, but only briefly in phytohemagglutinin-stimulated peripheral blood mononuclear cells. CCL26 is one of two Cys-Cys (CC) cytokine genes clustered on the q arm of chromosome 7.

Description

Eotaxin-3 Human Recombinant, produced in *E. coli*, is a single, non-glycosylated polypeptide chain containing 72 amino acids (24-94 aa). It has a total molecular mass of 8.5 kDa. Eotaxin-3 is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered, colorless solution.

Formulation

The Eotaxin-3 solution contains phosphate buffered saline (pH 7.4) and 10% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. For long term storage, it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 90% as determined by SDS-PAGE.

Usage

This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.

CONTACT US TODAY

BIOMOL GmbH • Kieler Straße 303a • 22525 Hamburg • Germany • info@biomol.de • www.biomol.de

Fon: +49 (0)40-853 260 0 • TOLL FREE IN GERMANY: Fon: 0800-246 66 51