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Eotaxin 3 Human

Catalog #:CHPS-369

For research use only.

Description: Eotaxin-3 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 72 amino acids (24-94 a.a.) and having a total molecular mass of 8.5kDa. Eotaxin-3 is purified by proprietary chromatographic techniques.

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.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MTRGSDISKT CCFQYSHKPL PWTWVRSYEF TSNSCSQRAV IFTTKRGKKV CTHPRKKWVQ KYISLLKTPK QL.

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:
The Eotaxin-3 solution contains Phosphate Buffered Saline pH7.4 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.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
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 major eotaxin produced and released by alveolar epithelial cells which is involved in autoregulation of CCR3 receptors and other eotaxins. Eotaxin-3 is involved in immunoregulatory and inflammatory processes. Eotaxin-3 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. Eotaxin-3 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.

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