HUMAN CCL26 (68AA) PROTEIN

Cat.#: 12022

Product Name: Human CCL26 (68AA) Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: C-C Motif Chemokine 26;CC Chemokine IMAC;Eotaxin-3;Macrophage Inflammatory Protein 4-Alpha;MIP-4-Alpha;Small-Inducible Cytokine A26;Thymic Stroma Chemokine-1;TSC-1;CCL26;SCYA26

Target: CCL26

UNIPROT ID: Q9Y258

Description: Recombinant Human C-C Motif Chemokine 26 is produced by our E.coli expression system and the target gene encoding Ser27-Leu94 is expressed.

Background: Chemokine (C C Motif) Ligand 26 (CCL26) is a novel small cytokine belonging to the CC chemokine family, which involved in immunoregulatory and inflammatory processes. CCL26 is expressed constitutively in thymus, but only transiently in phytohemagglutinin-stimulated peripheral blood mononuclear cells. It specifically binds and induces chemotaxis in T cells and elicits its effects by interacting with the chemokine receptor CCR4. Eotaxin-3/CCL26, along with Eotaxin-1 and Eotaxin-2, selectively activates the CC chemokine receptor 3 (CCR3). The Eotaxin-3-CCR3 interaction may play an important role in allergic diseases such as atopic dermatitis and bronchial asthma. The full-length cDNA for Eotaxin-3 encodes a protein of 94 amino acids with a putative signal peptide of either 23 or 26 amino acid residues. Both the 71 and 68 amino acid residue variants of recombinant Eotaxin-3 demonstrate equal potency in inducing chemotaxis of a human CCR3-transfected cell line. Unlike most other CC chemokines, Eotaxin-3 maps to human chromosome 7q11.2, within 40 kilobases of the Eotaxin-2 loci. Eotaxin-3 and Eotaxin-2 are unique in that they are the only chemokines identified to date that map to chromosome 7.

Species/Host: E.coli

Molecular Weight: Predicted MW is 8.21 Kda. Protein runs at 13KDa under reducing conditions.

Molecular Characterization: Not available

Purity: Greater than 95% as determined by reducing SDS-PAGE.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

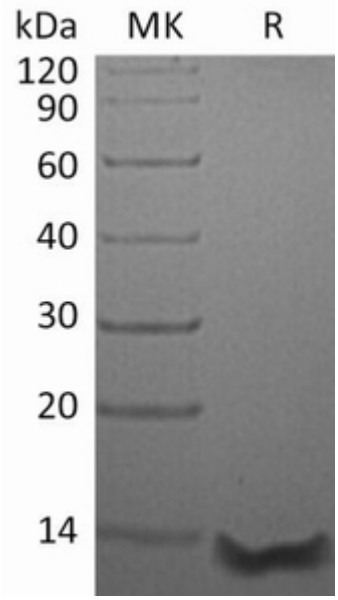

Figure 1. Greater than 95% as determined by reducing SDS-PAGE.