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Datasheet for ABIN1096269 CCL26 Protein (AA 27-94)

Overview

Quantity:	50 µg
Target:	CCL26
Protein Characteristics:	AA 27-94
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human C-C Motif Chemokine 26/CCL26 (27-94)
Sequence:	MSDISKTCCF QYSHKPLPWT WVRSYEFTSN SCSQRAVIFT TKGKVKVCTH PRKKWVQKYI SLLKTPKQL
Characteristics:	Recombinant Human C-C Motif Chemokine 26/CCL26 (27-94) is produced with our E. coli expression system. The target protein is expressed with sequence (Ser27-Leu94) of Human CCL26.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	CCL26
Alternative Name:	CCL26/Eotaxin-3 27-94 (CCL26 Products)

Target Details

Background:	<p>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.</p> <p>Alternative Names: 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</p>
Molecular Weight:	8.21 kDa
UniProt:	Q9Y258
Pathways:	Regulation of Actin Filament Polymerization

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C

Handling

Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	3 months
