PRODUCT INFORMATION

Target	CCL26
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
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.
Delivery	In Stock
Uniprot ID	Q9Y258
Expression Host	E.coli
Tag	
Molecular Characterization	Not available
Molecular Weight	Predicted MW is 8.21 Kda. Protein runs at 13KDa under reducing conditions.
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Formulation & Reconstitution	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
Storage&Shipping	Lyophilized protein should be stored at -20°C or lower, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C or lower for 3 months. The product is shipped at ambient temperature. Upon receipt, store it immediately at the proper temperature.
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 μm) prior to use.
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.
Usage	Research use only

Conjugate	Unconjugated

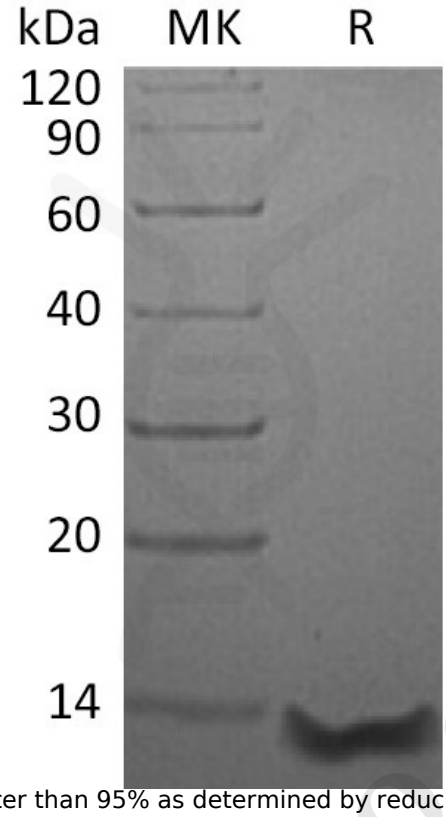

Figure 1. Greater than 95% as determined by reducing SDS-PAGE.