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Datasheet for ABIN988251 CCL17 Protein

Overview

Quantity:	1 mg
Target:	CCL17
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Sequence:	ARGTNVGREC CLEYFKGAIP LRKLKTWYQT SEDCSRDAIV FVTVQGRAIC SDPNNKRVKN AVKYLQSLER
Characteristics:	Fully biologically active when compared to standard. The ED50 determined by a chemotaxis bioassay using human T-lymphocytes is less than 10 ng/ml, corresponding to a specific activity of $>, 1.0 \times 10^5$ IU/mg.
Purity:	> 97 % by SDS-PAGE and HPLC analyses.
Endotoxin Level:	Level Less than 1EU/ μ g of rHuTARC/CCL17 as determined by LAL method

Target Details

Target:	CCL17
Alternative Name:	TARC/CCL17 (CCL17 Products)
Background:	CCL17 is a novel CC chemokine recently identified using a signal sequence trap method. CCL17 cDNA encodes a highly basic 94 amino acid residue precursor protein with a 23 aa residue

Target Details

signal peptide that is cleaved to generate the 71 aa residue mature secreted protein. Among CC chemokine family members, CCL17 has approximately 24 - 29% amino acid sequence identity with RANTES, MIP-1^α, MIP-1beta, MCP-1, MCP-2, MCP-3 and I-309. The gene for human CCL17 has been mapped to chromosome 16q13 rather than chromosome 17 where the genes for many human CC chemokines are clustered. CCL17 is constitutively expressed in thymus, and at a lower level in lung, colon, and small intestine. CCL17 is also transiently expressed in stimulated peripheral blood mononuclear cells. Recombinant CCL17 has been shown to be chemotactic for T cell lines but not monocytes or neutrophils. CCL17 was recently identified to be a specific functional ligand for CCR-4, a receptor that is selectively expressed on T cells. Synonym: TARC/CCL17, Human. Formulation: Lyophilized from a 0.2µm filtered concentrated solution in 20mM PB, pH 7.4, 150mM NaCl.

Molecular Weight: 8.0kDa, a single non-glycosylated polypeptide chain containing 71 amino acids.

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at < -20 °C. Further dilutions should be made in appropriate buffered solutions.

Storage: 4 °C