CCL17
Recombinant Human Chemokine Ligand 17

Catalog No.	CRT200A	**Quantity:**	5 µg
	CRT200B		20 µg
	CRT200C		1.0 mg

Alternate Names: Thymus and Activation-Regulated Chemokine, TARC, SCYA17

Gene ID: 6361

Description: 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 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-1α, MIP-1β, 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.

Recombinant Human CCL17 contains 71 amino acid residues and is a recently discovered protein belonging to the β-chemokine family of cytokines.

Source: *E. coli*

Molecular Weight: 8.0 kDa

Formulation: Lyophilized from a 0.2µm filtered concentrated (1.0mg/ml) solution in 20mM PB, pH 7.4, 150mM NaCl.

Purity: >97% by SDS-PAGE and HPLC

Endotoxin Level: <0.1 ng/µg of CCL17

Biological Activity: Determined by its ability to chemoattract human T-cells using a concentration range of 1.0-10.0 ng/mL.

Amino Acid Sequence: ARGTNVGREC CLEYFKGAIP LRKLKTWYQT SEDCSRDAIV FVTVQGRAIC SDPNNKRVKN AVKYLQSLER S

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. **Please note that the addition of any carrier protein into this product may produce unwanted endotoxin. This depends upon the particular application employed.** Further dilutions should be made in appropriate buffered solutions.

Storage & Stability: Stable at 2-8°C, but best kept desiccated -20°C. Upon reconstitution, stable for up to 1 week at 2-8°C. For longer term, store in working aliquots below -20°C. **Avoid repeated freeze/thaw cycles.**

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