

Ccl17

Recombinant Mouse TARC/CCL17

Catalog No.	CS512A CS512B CS512C	Quantity:	5 µg 20 µg 1 mg
Alternate Names:	chemokine (C-C motif) ligand 17, small inducible cytokine subfamily A17, Scya17, Scya17l, Tarc, thymus and activation-regulated chemokine		
Description:	<p>Thymus and activation regulated chemokine (TARC) is a novel CC chemokine, also called CCL17, recently identified using a signal sequence trap method. CCL17 cDNA encodes a highly basic 94 aa 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-1D, MIP-1E, MCP-1, MCP-2, MCP-3 and I-309. 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.</p> <p>Recombinant Mouse TARC/CCL17 is a single non-glycosylated polypeptide chain containing 70 amino acids.</p>		
Gene ID:	20295		
Source:	<i>E. coli</i>		
Molecular Weight:	7.9 kDa		
Formulation:	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4		
Purity:	>97% by SDS-PAGE and HPLC analyses.		
Endotoxin Level:	<1 EU/µg as determined by LAL method.		
Biological Activity:	Fully biologically active when compared to standard. The biologically active determined by a chemotaxis bioassay using human T-lymphocytes is in a concentration range of 1.0 -10 ng/ml		
Amino Acid Sequence:	ARATNVGREC CLDYFKGAIP IRKLVSWYKT SVECSRDAIV FLTVQGKLIC ADPKDKHVKK AIRLVKNPRP		
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. This depends upon the particular application employed. Further dilutions should be made in appropriate buffered solutions.		
Storage & Stability:	This lyophilized preparation is stable at 2-8°C, but should be kept desiccated at -20°C for long term storage. Upon reconstitution, the preparation is stable for up to one week at 2 -8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -80°C. Avoid repeated freeze/thaw cycles.		

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