

Growth Factor Data Sheet

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Rat CCL17 is a chemokine containing four conserved cysteine residues, two of which are adjacent. It is expressed constitutively in the thymus and lymph nodes and transiently in peripheral blood mononuclear cells that have been induced by phytohemagglutinin. CCL17 is chemotactic for T-cells and plays a role in T-cell development, trafficking, and activation. It promotes atherosclerosis by regulating homeostasis of regulatory T-cells, thereby limiting their expansion. CCL17 is a ligand for CCR4, CCR8, and the erythrocyte receptor ACKR1.

Catalog Number	2540-17
Product Name	CCL17, Rat Recombinant Rat Chemokine (C-C motif) Ligand 17 (CCL17) Thymus and Activation Regulated Chemokine (TARC) Small Inducible Cytokine Subfamily A Member 17 (SCYA17)
Source	<i>Escherichia coli</i>
MW	~8.1 kDa (70 amino acids)
Sequence	ARATNVGREC CLDYFKGAIP IRKLVTFWVRT SVECPKDAIV FETVQGR LIC TDPKDKHVKK AIRHLKNQRL
Accession Number	Q9ERE0
Purity	>97% by SDS-PAGE and HPLC analyses
Biological Activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human T-lymphocytes is in a concentration range of 1.0-10 ng/ml.
Formulation	Sterile filtered white lyophilized powder. Purified and tested for use in cell culture.
Storage/Handling	This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage. The reconstituted sample can be apportioned into working aliquots and stored at -80 °C for up to 6 months. Avoid repeated freeze/thaw cycles.
Reconstitution	The sample should be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in a siliconized tube using PBS that contains a 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Reconstituted solutions are stable for up to one week at 2-8°C. Stock solutions should be aliquoted and stored at -80°C. Further dilutions should be made in appropriate buffered solutions containing BSA or serum.