

32-6617: TARC Macaque

Alternative Name : C-C motif chemokine 17, Small-inducible cytokine A17, Thymus and activation-regulated chemokine, CC chemokine TARC, ABCD-2, CCL17, CCL-17, SCYA17, TARC, A-152E5.3, MGC138271, MGC138273.

Description

Source: Escherichia Coli.

Sterile Filtered White lyophilized (freeze-dried) powder.

TARC cDNA encodes a 94 amino acid precursor protein with a 23 amino acid residue signal peptide that is cleaved off to generate the 71 amino acid residue mature secreted protein. Along with CC chemokine family members, CCL-17 has approximately 24-29% amino acid sequence identity with RANTES, MIP-1a, MIP-1b, MCP-1, MCP-2, MCP-3 and I-309. TARC is expressed in thymus, and at a lower level in the lung, colon, and small intestine. TARC is in addition transiently expressed in stimulated peripheral blood mononuclear cells. Recombinant TARC has been shown to be chemotactic for T cell lines but not monocytes or neutrophils. CCL-17 is a specific functional ligand for CCR4, a receptor that is selectively expressed on T cells. CCL17 is one of a few Cys-Cys (CC) cytokine genes clustered on the q arm of chromosome 16. CCL17 shows chemotactic activity for T lymphocytes, but not monocytes or granulocytes. CCL17 binds to chemokine receptors CCR4 and CCR8. This chemokine plays important roles in T cell development in thymus as well as in trafficking and activation of mature T cells. Thymus and Activation Regulated Chemokine (CCL17) Rhesus Macaque Recombinant produced in E.Coli is a non-glycosylated polypeptide chain containing 71 amino acid and having a molecular mass of approximately 8.1kDa. TRAC is purified by proprietary chromatographic techniques.

Product Info

Amount :	50 µg / 100 µg
Purification :	Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE. Lyophilized from a 0.2µm filtered concentrated solution in 20mM PB, 0.02 % Tween-20 and 300mM NaCl, pH 7.4.
Content :	It is recommended to reconstitute the lyophilized Thymus and Activation Regulated Chemokine Rhesus Macaque in sterile 18M Omega -cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Storage condition :	Lyophilized TRAC although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Thymus and Activation Regulated Chemokine Rhesus Macaque should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.
Amino Acid :	ARGTNVGREC CLKYFKGAIP LRKLKTWYQT SEDCSRDAIV FVTVQNKAIC SDPNDKKVKK ALKYLQSLER S.