9051 Mira Mesa Blvd, #910094
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TARC Macaque

Thymus and Activation Regulated Chemokine (CCL17) Rhesus Macaque Recombinant CHK0171

Product Overview

Name	TARC Macaque
Description	
Thymus and Activation Regulated Chemokine (CCL17) Rhesus Macaque Recombinant	
Accession (Primary)	Q8HYP9
Synonyms	
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.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Lyophilized from a 0.2 μm filtered concentrated solution in 20mM PB, 0.02 % Tween-20 and 300mM NaCl, pH 7.4.	
Stability	
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 .	

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Purity

Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Amino acid sequence

ARGTNVGREC CLKYFKGAIP LRKLKTWYQT SEDCSRDAIV FVTVQNKAIC SDPNDKKVKK ALKYLQSLER S.

Solubility

It is recommended to reconstitute the lyophilized Thymus and Activation Regulated Chemokine Rhesus Macaque in sterile 18MΩ-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

TARC Macaque is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q8HYP9)