

## Recombinant Rhesus Macaque Thymus and Activation Regulated Chemokine/CCL17

### Information

<b>Gene ID</b>	574180
<b>Accession #</b>	Q8HYP9
<b>Alternate Names</b>	
<b>Source</b>	Escherichia coli.
<b>M.Wt</b>	Approximately 8.1 kDa, a single non-glycosylated polypeptide chain containing 71 amino acids.
<b>AA Sequence</b>	ARGTNVGREC CLKYFKGAIP LRKLKTWYQT SEDCSRDAIV FVTVQNKAIC SDPNDKKVKK ALKYLQSLER S
<b>Appearance</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Stability &amp; Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles - 12 months from date of receipt, -20 to -70 °C as supplied - 1 month, 2 to 8 °C under sterile conditions after reconstitution - 3 months, -20 to -70 °C under sterile conditions after reconstitution
<b>Formulation</b>	Lyophilized from a 0.2 μm filtered concentrated solution in 20 mM PB, 300 mM NaCl, pH 7.4, with 0.02 % Tween-20.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.
<b>Biological Activity</b>	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.
<b>Shipping Condition</b>	Gel pack.
<b>Handling</b>	Centrifuge the vial prior to opening.
<b>Usage</b>	For Research Use Only! Not to be used in humans.

### Components and Storage

Components	10μg	100μg	500μg
Recombinant Rhesus Macaque Thymus and Activation Regulated Chemokine/CCL17	10μg	100μg	500μg

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- 12 months from date of receipt, -20 to -70 °C as supplied
- 1 month, 2 to 8 °C under sterile conditions after reconstitution
- 3 months, -20 to -70 °C under sterile conditions after reconstitution

## Quality Control

Purity	> 97 % by SDS-PAGE and HPLC analyses.
Endotoxin	Less than 0.1 EU/ $\mu$ g of rRhTARC/CCL17 as determined by LAL method.

## Description

CCL17 also known as thymus and activation-related chemokine (TARC) is encoded by the CCL17 gene. It is expressed by thymus cells constitutively and phytohemagglutinin-stimulated peripheral blood mononuclear cells transiently. CCL17 signals through the chemokine receptors CCR4 and CCR8 and displays chemotactic activity for T lymphocytes and some other leukocytes. It plays an important role in skin diseases such as atopic dermatitis, bullous pemphigoid and mycosis fungoides. CCL17 has approximately 24 – 29 % amino acid sequence identity with RANTES, MIP-1  $\alpha$  , MIP-1  $\beta$  , MCP-1, MCP-2, MCP-3 and I-309.

## Reference

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