

Recombinant Human Thymus and Activation Regulated Chemokine/CCL17 (rHuTARC/CCL17)

ChemWhat Technical Data Sheet (TDS)

Catalog Number:	204-17
Source:	<i>Escherichia coli</i> .
Molecular Weight:	Approximately 8.1 kDa, a single non-glycosylated polypeptide chain containing 71 amino acids.
Quantity:	5µg /20µg /1000µg
AA Sequence:	ARGTNVGREC CLEYFKGAIP LRKLKTWYQT SEDCSRDAIV FVTVQGRAIC SDPNNKRVKNAVKYLQSLER S
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.
Physical Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation:	Lyophilized from a 0.2 µm filtered concentrated solution in 20mM PB, pH 7.4, 150mM NaCl.
Endotoxin:	Less than 1 EU/µg of rHuTARC/CCL17 as determined by LAL method.
Reconstitution:	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.
Shipping:	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage:	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none">● 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.
Usage:	ChemWhat Limited in UK offers this branded product for research, development or further evaluation purposes. NOT FOR HUMAN USE.

Human Thymus and Activation Regulated Chemokine/CCL17

Human CCL17 also known as thymus and activation-related chemokine (TARC) is encoded by the CCL17 gene located on the chromosome 16 in humans. 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-1α, MIP-1β, MCP-1, MCP-2, MCP-3 and I-309.