Datasheet

Cat. No. P1530

Recombinant Rat Thymus and Activation Regulated Chemokine/CCL17

Information

Gene ID	117518
Accession #	Q9ERE0
Alternate Names	
Source	Escherichia coli.
M.Wt	Approximately 8.1 kDa, a single non-glycosylated polypeptide chain containing 70 amino acids.
AA Sequence	ARATNVGREC CLDYFKGAIP IRKLVTWFRT SVECPKDAIV FETVQGRLIC TDPKDKHVKK AIRHLKNQRL
Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Stability & Storage	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
Formulation	Lyophilized from a 0.2 μm filtered concentrated solution in PBS, pH 7.4.
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.
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.
Shipping Condition	Gel pack.
Handling	Centrifuge the vial prior to opening.
Usage	For Research Use Only! Not to be used in humans.

Components and Storage

Components	5μg	100μg	500μg
Recombinant Rat Thymus and Activation Regulated Chemokine/CCL17	5μg	100μg	500μg

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

Quality Control

Purity	> 97 % by SDS-PAGE and HPLC analyses.
Endotoxin	Less than 0.1 EU/μg of r rRtTARC/CCL17 as determined by LAL method.

Description

CCL17 also known as thymus and activation-related chemokine (TARC) is encoded by the CCL17 gene located on the chromosome 16. 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.

Reference

1. Loftus BJ, Kim UJ, Sneddon VP, et al. 1999. Genomics, 60: 295-308
2. Imai T, Yoshida T, Baba M, et al. 1996. J Biol Chem, 271: 21514-21
3. Jakubzick C, Wen H, Matsukawa A, et al. 2004. Am J Pathol, 165: 1211-21
4. Shimada Y, Takehara K, Sato S. 2004. J Dermatol Sci, 34: 201-8
5. Sumiyoshi K, Nakao A, Setoguchi Y, et al. 2003. J Dermatol Sci, 31: 53-8.

APExBIO Technology
www.apexbt.com
7505 Fannin street, Suite 410, Houston, TX 77054.
Tel: +1-832-696-8203 | Fax: +1-832-641-3177 | Email: info@apexbt.com