

Rev03
Update: Dec,14,2021

DATASHEET

TARC/CCL17, Mouse

Cat. No.: Z02954

Product Introduction

Species	Mouse
Protein Construction	TARC/CCL17 (Ala24-Pro93) Accession # Q9WUZ6
Purity	> 97% as analyzed by SDS-PAGE > 97% as analyzed by HPLC
Endotoxin Level	< 1 EU/ μ g of protein by LAL method
Biological Activity	Fully biologically active when compared to standard. The biologically active determined by a chemotaxis bioassay using human T-lymphocytes is in a concentration range of 1.0-10.0 ng/ml.
Expression System	E. coli
Theoretical Molecular Weight	7.9 kDa
Formulation	Lyophilized from a 0.2 μ m filtered solution in PBS, pH 7.4.
Reconstitution	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/ml.
Storage & Stability	Upon receiving, this product remains stable for up to 6 months at -70°C or -20°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. Avoid repeated freeze-thaw cycles.

Background

Target Background : Thymus and activation regulated chemokine (TARC) is a novel CC chemokine, also called CCL17, recently identified using a signal sequence trap method. CCL17 cDNA encodes a highly basic 94 amino acid (a.a.) residue precursor protein with a 23 a.a. residue signal peptide that is cleaved to generate the 71 a.a. residue mature secreted protein. Among CC chemokine family members, CCL17 has approximately 24 - 29% amino acid sequence identity with RANTES, MIP-1 α , MIP-1 β , MCP-1, MCP-2, MCP-3 and I-309. CCL17 is constitutively expressed in thymus, and at a lower level in lung, colon, and small intestine. CCL17 is also transiently expressed in stimulated peripheral blood mononuclear cells.

Synonyms : CCL-17; A-152E5.3; ABCD-2; SCYA17; TARC; C-C motif chemokine ligand 17; C-C motif chemokine 17; Small-inducible cytokine A17; Thymus and activation-regulated chemokine; CC chemokine TARC

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