DATA SHEET

Recombinant Human TARC / CCL17

(Thymus and Activation Regulated Chemokine)

Catalog Number: 100-42

Accession Number: Q92583

Specifications and Uses:

Alternate Names: CCL17, thymus and activation regulated chemokine, ABCD-2, SCYA17

Description:
Thymus and activation regulated chemokine (TARC), also known as CCL17, is a chemokine produced by thymus tissue constitutively and activated PBMCs (mainly DCs). TARC signals through the CCR4 receptor to induce chemotaxis of Th2 cells. TARC is thought to be important in asthma and allergic diseases, along with bacterial and viral infections. Recombinant human TARC is a non-glycosylated protein, containing 71 amino acids, with a molecular weight of 8.1 kDa.

Source: *E.coli*

Physical Appearance: Sterile filtered white lyophilized (freeze-dried) powder.

Formulation and Stability:
Recombinant human TARC is lyophilized from 0.02% TFA.
Lyophilized product is very stable at -20°C. Reconstituted material should be aliquoted and frozen at -20°C. It is recommended that a carrier protein (0.1% HSA or BSA) is added for long term storage.

Reconstitution:
Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/mL, which can be further diluted into other aqueous solutions.

Protein Content and Purity (typically ≥ 98%) determined by:
HPLC, Reducing and Non-reducing SDS-PAGE, UV spectroscopy at 280 nm

Endotoxin Level:
Measured by kinetic LAL analysis and is typically ≤ 1 EU/µg protein.

Biological Activity:
The activity is determined by the ability to chemoattract human T cells at 2-40 ng/mL.

AA Sequence:
ARGTNVGREC CLEYFKGAIP LRKLKTWYQT SEDCSRDAIV FVTVQGRAIC SDPNNKRVKN AVKYLQSLER S

THIS PRODUCT IS FOR RESEARCH USE ONLY AND IS NOT FOR USE IN HUMANS!

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