

Recombinant Rat Thymus and Activation Regulated Chemokine/CCL17 (Rat TARC/CCL17)

Product Information

Product Name	Cat#	Size
Recombinant Rat Thymus and Activation Regulated Chemokine/CCL17 (Rat TARC/CCL17)	91002ES08	5 µg
	91002ES60	100 µg
	91002ES76	500 µg

Product Description

Human thymus and activation-regulated chemokine (TARC) also known as CCL17, is a novel CC chemokine identified using a signal sequence trap method. Mouse CCL17 was discovered as a dendritic cell (DC) specific gene by differentiation RNA display. Among CC chemokine family members, 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. The gene for human CCL17 has been mapped to chromosome 16q13 rather than chromosome 17 where the genes for many human CC chemokines are clustered. Recombinant CCL17 has been shown to be chemotactic for T cell lines and antigen-primed T helper cells. In humans, CCL17 was identified to be a specific functional ligand for CCR4 and CCR8, receptors that are selectively expressed on T cells.

Product Properties

Synonyms	ABCD-2; CC chemokine TARC
Accession	Q9ERE0
GeneID	117518
Source	E.coli-derived Rat TARC/CCL17, Ala24-Leu93.
Molecular Weight	Approximately 8.1 kDa.
AA Sequence	ARATNVGREC CLDYFKGAIP IRKLVTFWRT SVECPKDAIV FETVQGRLLC TDPKDKHVKK AIRHLKNQRL
Tag	None
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	> 97% by SDS-PAGE and HPLC analyses.
Biological Activity	The biological activity determined by a chemotaxis bioassay using human T-lymphocytes is in a concentration range of 1.0-10 ng/ml. Fully biologically active when compared to standard.
Endotoxin	< 0.1 EU per 1µg of the protein by the LAL method.
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.

Shipping and Storage

The products are shipped with ice pack and can be stored at -20°C to -80°C for 1 year.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

Cautions

1. Avoid repeated freeze-thaw cycles.
2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. For research use only!