

TARC/CCL17 Protein, Dog (HEK293, His)

Cat. No.:	HY-P700552
Synonyms:	rHuTARC/CCL17; C-C motif chemokine 17; SCYA17
Species:	Dog
Source:	HEK293
Accession:	Q95N01 (A24-S99)
Gene ID:	403586
Molecular Weight:	10.8 kDa

PROPERTIES

AA Sequence	A R G T N V G R E C C L E Y F K G A I P I S R L T R W Y K T S G E C P K D A I V F V T V Q G K S I C S D P K D K R V K K A V R Y L Q R T W K G G P Q E S
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>TARC/CCL17 protein serves as a chemokine with specific chemotactic activity for T lymphocytes, particularly Th2 cells, while exhibiting no such attraction for monocytes or granulocytes. Its involvement extends to various inflammatory and immunological processes, facilitated by the binding to CCR4 on the surface of T cells. Additionally, TARC/CCL17 contributes to GM-CSF/CSF2-driven pain and inflammation. In the brain, this chemokine is crucial for maintaining the characteristic, highly branched morphology of hippocampal microglia under homeostatic conditions and may play a pivotal role in adapting microglial morphology and synaptic plasticity during acute lipopolysaccharide (LPS)-induced neuroinflammation. Moreover, TARC/CCL17 plays a significant role in wound healing, primarily by inducing fibroblast migration into the wound.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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