

CCL25

Recombinant Human Thymus Expressed Chemokine/CCL25

Catalog No.	CRT300A CRT300B CRT300C	Quantity:	5 µg 20 µg 1.0 mg
Alternate Names:	Ckb15, SCYA25, TECK, Ck beta-15, TECKvar, chemokine TECK, small inducible cytokine A25, small inducible cytokine subfamily A (Cys-Cys), member 25, thymus expressed chemokine		
Description:	Thymus Expressed Chemokine (TECK)/CCL25 is a novel CC chemokine that is distantly related (approximately 20% amino acid sequence identity) to other CC chemokines. Mouse CCL25 cDNA has also been cloned and shown to encode a 144 aa protein that exhibits 49% aa sequence identity to human CCL25. The expression of human and mouse CCL25 was shown to be highly restricted to the thymus and small intestine. Although dendritic cells have been demonstrated to be the source of CCL25 production in the thymus, dendritic cells derived from bone marrow do not express CCL25. Recombinant human and mouse CCL25 have been shown to be chemotactic for activated macrophages, dendritic cells and thymocytes. CCL25 signals through the CCR9 receptor.		
Physical Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.		
Gene ID:	6370		
Source:	<i>E. coli</i>		
Molecular Weight:	~ 14.2 kDa		
Formulation:	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.4 + 150 mM NaCl.		
Purity:	>97% by SDS-PAGE and HPLC analyses.		
Endotoxin Level:	Less than 1EU/µg of rHuTECK/CCL25 as determined by LAL method.		
Biological Activity:	Fully biologically active when compared to standard. The ED ₅₀ determined by a chemotaxis bioassay using human monocytes is less than 10 ng/ml,		
Amino Acid Sequence:	QGVFEDCLA YHYPIGWAVL RRAWTYRIQE VSGSCNLPAA IFYLPKRHRK VCGNPKSREV QRAMKLLDAR NKVFAKLHHN MQTFQAGPHA VKKLSSGNSK LSSSKFSNPI SSSRKNVSLI ISANSGL		
Reconstitution:	Centrifuge vial prior to opening. Reconstitute in sterile distilled water or aqueous buffer 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.		
Storage & Stability:	This lyophilized preparation is stable for several weeks at 2-8°C, but should be kept at -20° for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20° to -80°C. Avoid repeated freeze/thaw cycles.		

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