

Ccl25

Recombinant Mouse CCL25

Catalog No.	CS280A CS280B CS280C	Quantity:	5 µg 20 µg 1 mg
Alternate Names:	CKb15, Scya25, TECK, C-C motif chemokine 25, Small inducible chemokine 25, Thymus-expressed chemokine		
Description:	Thymus Expressed Chemokine 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:	20300		
Source:	<i>E. coli</i>		
Molecular Weight:	Approximately 14.1 kDa, a single, non-glycosylated polypeptide chain containing 121 amino acids.		
Formulation:	Lyophilized from a 0.2 µm filtered solution in 20 mM PB, pH 7.4 + 150 mM NaCl.		
Purity:	>95% by SDS-PAGE and HPLC analyses.		
Endotoxin Level:	Less than 1EU/µg of rMuTECK/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 CCR9 transfected BaF3 murine proB cells is less than 500 ng/ml, corresponding to a specific activity of >2×10 ³ IU/mg.		
Amino Acid Sequence:	QGAFEDCCLG YQHRIKWNVL RHARNYHQQE VSGSCNLRAV RFYFRQKVVC GNPEDMNVKR AIRILTARKR LVHWKSASDS QTERKKSNHM KSKVENPNST SVRSATLGHP RMVMMPRKTN N		
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.		

Storage & Stability:



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This lyophilized preparation is stable at 2-4°C, but should be kept desiccated at -20°C for long term storage. Upon reconstitution, the preparation is stable for up to one week at 2-4°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -80°C. **Avoid repeated freeze/thaw cycles.**

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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