

## Recombinant Human Thymus Expressed Chemokine/CCL25

### Information

<b>Gene ID</b>	6370
<b>Accession #</b>	O15444
<b>Alternate Names</b>	TECK, CCL25, SCYA25, Ckb15
<b>Source</b>	Escherichia coli.
<b>M.Wt</b>	Approximately 14.3 kDa, a single, non-glycosylated polypeptide chain containing 128 amino acids.
<b>AA Sequence</b>	MQGVFEDCCL AYHYPIGWAV LRRAWTYRIQ EVSGSCNLPA AIFYLPKRHR KVCGNPKSRE VQRAMKLLDA RNKVFALHH NTQTFQAGPH AVKKLSSGNS KLSSSKFSNP ISSSKRNVSL LISANSGL
<b>Appearance</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Stability &amp; Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles - 12 months from date of receipt, -20 to -70 °C as supplied - 1 month, 2 to 8 °C under sterile conditions after reconstitution - 3 months, -20 to -70 °C under sterile conditions after reconstitution
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.4, 150 mM NaCl.
<b>Reconstitution</b>	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.
<b>Biological Activity</b>	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human monocytes is in a concentration range of 1.0-10 ng/ml.
<b>Shipping Condition</b>	Gel pack.
<b>Handling</b>	Centrifuge the vial prior to opening.
<b>Usage</b>	For Research Use Only! Not to be used in humans.

### Components and Storage

Components	5µg	100µg	500µg
Recombinant Human Thymus Expressed Chemokine/CCL25	5µg	100µg	500µg

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- 12 months from date of receipt, -20 to -70 °C as supplied
- 1 month, 2 to 8 °C under sterile conditions after reconstitution
- 3 months, -20 to -70 °C under sterile conditions after reconstitution

## Quality Control

Purity	> 97 % by SDS-PAGE and HPLC analyses.
Endotoxin	Less than 1 EU/μg of rHuTECK/CCL25 as determined by LAL method.

## Description

CCL25 is new member of CC family chemokine. It is also called Thymus-expressed chemokine (TECK) because it is restricted produced by thymus and intestine. Especially, the dendritic cells derived from thymus but not bone marrow had identified to be the source of CCL25. By binding with CCR9, it elicits its effects of chemotactic for thymocytes, macrophages, and dendritic cells. Additionally, CCL25 takes part in regulating the development of T-cells.

## Reference

1. Uehara S, Song K, Farber JM, et al. 2002. J Immunol, 168: 134-42
2. Ericsson A, Svensson M, Arya A, et al. 2004. Eur J Immunol, 34: 2720-9
3. Svensson MandAgace WW. 2006. Expert Rev Clin Immunol, 2: 759-73.

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