

C-C motif chemokine 25
Catalog # PVGS1462**Specification**

C-C motif chemokine 25 - Product InformationPrimary Accession [O35903](#)**Sequence**

MQGAFEDCCL GYQHRIKWNV LRHARNYHQQ EVSGSCNLRA VRFYFRQKVV CGNPEDMNVK
RAMRILTARK RLVHWKSASD SQTERKKS NH MKSKVENPNS TSVRSATLGH PRMVMMPRKT
 NN

Purity

> 98% as analyzed by SDS-PAGE.

Endotoxin Level

< 0.2 EU/ µg, determined by LAL method.

Formulation**Lyophilized after extensive dialysis against PBS.****Reconstitution**Reconstituted in ddH₂O or PBS at 100 µg/ml.**C-C motif chemokine 25 - Additional Information****Gene ID** 20300**Other Names**

C-C motif chemokine 25, Chemokine TECK, Small-inducible cytokine A25, Thymus-expressed chemokine, Ccl25, Scya25, Teck

Target Background

Chemokine (C-C motif) ligand 25 (CCL25) is a small cytokine belonging to the CC chemokine family that is also known as TECK (Thymus-Expressed Chemokine). It plays a role in the development of T cells and has been shown to be chemotactic for activated macrophages, dendritic cells and thymocytes. Mouse CCL25 cDNA encodes a 144 amino acid residue precursor protein with a 23 amino acid residue signal peptide that is cleaved to yield a 121 residue mature protein. The gene for mouse CCL25 has been mapped to chromosome 8 rather than chromosome 11 where many mouse CC chemokines are clustered. Mouse CCL25 shares 49% amino acid sequence identity to with human CCL25. Recombinant Mouse TECK/CCL25 produced in *E. coli* is a single non-glycosylated polypeptide chain containing 122 amino acids. A fully biologically active molecule, rmTECK/CCL25 has a molecular mass of 14.3 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques at .

C-C motif chemokine 25 - Protein Information**Name** Ccl25**Synonyms** Scya25, Teck

Function

Potentially involved in T-cell development. Recombinant protein shows chemotactic activity on thymocytes, macrophages, THP-1 cells, and dendritic cells but is inactive on peripheral blood lymphocytes and neutrophils. Binds to CCR9. Binds to atypical chemokine receptor ACKR4 and mediates the recruitment of beta-arrestin (ARRB1/2) to ACKR4.

Cellular Location

Secreted.

Tissue Location

Specifically expressed by thymic dendritic cells. High levels in thymus and small intestine

C-C motif chemokine 25 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

C-C motif chemokine 25 - Images