10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CCL25

Catalog # PVGS1660

Specification

CCL25 - Product Information

Primary Accession O35903

Species
Mouse

Sequence
Gln24-Asn144

Purity
> 95% as analyzed by SDS-PAGE
> 95% as analyzed by HPLC

Endotoxin Level
< 1 EU/ µg of protein by LAL method

Biological Activity
The biological activity determined by a chemotaxis bioassay using human monocytes is in a concentration range of 5.0-50.0 ng/ml.

Expression System
E. coli

Theoretical Molecular Weight
14.1 kDa

Formulation **Lyophilized from a 0.2 µm filtered solution in 20 mM PB, pH 7.4, 150 mM NaCl.**

Reconstitution
It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/ml.

Storage & Stability
Upon receiving, this product remains stable for up to 6 months at -20°C or -70°C. Upon reconstitution, the product should be stable for up to 1 week at 2-8°C or up to 3 months at -20°C. Avoid repeated freeze-thaw cycles.

CCL25 - 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

CCL25 is a new member of the 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 been 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.

CCL25 - 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 dendritics 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

CCL25 - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CCL25 - Images