

**TECHNICAL DATA SHEET**

# Recombinant Human CCL25 (TECK) (Carrier-free)

Catalog Number: 21-8259

**RPx-Pro™ Recombinant Protein**

**PRODUCT INFORMATION**

**CONTENTS**

Recombinant Human CCL25 (TECK) (Carrier-free)

**DESCRIPTION**

TECK is a CC chemokine, specifically expressed by thymic stromal cells and is important for T cell development. TECK signals through the CCR9 receptor. TECK is chemotactic towards activated macrophages, thymocytes, and dendritic cells. TECK is involved in adhesion of T cells to intestinal cells especially through CCR9. TECK appears to be a marker and means for T-cell intestinal immunity especially involving  $\gamma\delta$  T cells.

**MOLECULAR MASS**

Recombinant Human TECK is a 14.2 kDa protein containing 127 amino acid residues.

**AMINO ACID SEQUENCE**

QGVFEDCCLA YHYPIGWAVL RRAWTYRIQE VSGSCNLPAA IFYLPKRHRK VCGNPKSREV QRAMKLLDAR NKVFAKLHHN MQTFQAGPHA VKKLSSGNSK LSSSKFSNPI SSSRKNVSLI ISANSGL

**SOURCE**

E. Coli

**APPLICATIONS**

Bioassay

**PURITY**

98 %

**STORAGE**

-20°C

**PROTEIN CONTENT**

Content Verified by UV Spectroscopy and/or SDS-PAGE

**ENDOTOXIN LEVEL**

Endotoxin level is <0.1 ng/μg of protein (<1 EU/μg).

**AUTHENTICITY**

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

**CROSS REACTIVITY**

Hamster, Mouse

**BIOACTIVITY**

Assessed by chemoattraction assays with human monocytes using a concentration range of 1.0-10.0 ng/ml.

**RESEARCH AREAS**

Chemotaxis; Wound Healing

**RECONSTITUTION**

See Certificate of Analysis (COA) for lot specific reconstitution information.

**REFERENCES**

Vacari AP, DJ Figueroa, JA Hedrick, JS Foster, KP Singh, S Menon, NG Copeland, DJ Gilbert, NA Jenkins, KB Bacon and A Zlotnik 1997 Immunity 7: 291-301. Zaballos A, J Gutierrez, R Varona, C Ardavin and G Marquez 1999 J Immunol 162: 5671-5675. Papadakis KA, J Prehn, V Nelson, L Cheng, SW Binder, PD Ponath, DP Andrew and SR Targan 2000 J Immunol 165: 5069-5076. Zabel BA, WW Agace, JJ Campbell, HM Heath, D Parent, AI Roberts, EC Ebert, N Kassam, S Qin, M Zovko, GJ LaRosa, LL Yang, D Soler, EC Butcher, PD Ponath, CM Parker and DP Andrew 1999 J Exp Med 190: 1241-1256. Hosoe N, S Miura, C Watanabe, YTsuzuki, R Hokari, T Oyama, Y Fujiyama, H Nagata and H Ishii 2004 Am. J Physiol Gastrointest Liver Physiol 286: G458- G466.

Citations are provided as a resource for additional applications that have not been validated by Tonbo Biosciences. Please choose the appropriate format for each application and consult Materials and Methods sections for additional details about the use of any product in these publications.

For Research Use Only.

Not for use in diagnostic or therapeutic procedures. Not for resale. Not for distribution without written consent. Tonbo Biosciences will not be held responsible for patent infringement or other violations that may occur with the use of our products. Tonbo Biosciences, Tonbo Biosciences Logo and all other trademarks are the property of Tonbo Biotechnologies Corporation. © 2013 Tonbo Biosciences.