
Product Data Sheet

Product Name: TECK Mouse
 Cat. No.: GP21227
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	C-C motif chemokine 25; Small-inducible cytokine A25; Thymus-expressed chemokine; Chemokine TECK; CCL25; SCYA25; TECK; Ckb15; MGC150327.		
Amino Acid Sequence	QGAFEDCCLG YQHRIKWNVL RHARNYHQE VSGSCNLRAV RFYFRQKVVC GNPEDMNVKR AIRILTARKR LVHWKSASDS QTERKKSNHM KSKVENPNST SVRSATLGHP RMVMMPRKTN N		
Solubility	It is recommended to reconstitute the lyophilized TECK in sterile 18M-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	Filtered (0.2µm) and lyophilized from a concentrated (1mg/ml) solution in in 16 ^L PBS, pH7.4.		

Introduction

CCL25 (Teck) is a novel CC chemokine, which is distantly related (about 20% amino acid sequence identity) to other CC chemokines. The mouse CCL25 cDNA has also been cloned and shown to encode a 144 a.a. protein, which exhibits 49% a.a. sequence identity to the human CCL25. Human and mouse CCL25 expression was shown to be greatly restricted to the thymus and small intestine. While dendritic cells are identified as the source of CCL25 production in the thymus, dendritic cells derived from bone marrow do not express CCL25. CCL25 signals through the CCR9 receptor. Teck is possibly involved in T-cell development. Recombinant human and mouse Teck were shown to be chemotactic for activated macrophages, dendritic cells and thymocytes. The recombinant protein demonstrates chemotactic activity on thymocytes, macrophages, THP-1 cells, and dendritic cells but is inactive on peripheral blood lymphocytes and neutrophils.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Biological Activity

Determined by its ability to chemoattract human CCR9 transfected BaF3 mouse pro-B cells using a concentration range of 0.1-0.5 ug/ml.

Stability

Lyophilized TECK although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution TECK should be stored at 4°C between 2-7 days and for future use below -18°C .For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

Background

TECK Mouse Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 121 amino acids and having a molecular mass of 14.1kDa. The TECK is purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA