Recombinant Human Chemokine (C-C motif) Ligand 25

Cat. No. CCL25-70H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Chemokine (C-C motif) Ligand 25 was expressed in*E. Coli*.
Species	Human
Source	E.coli
Description	Human TECK (thymus-expressed chemokine) is a novel CC chemokine that was identified int he thymus of mouse and human. The TECK shows chemotactic activity for activated macrophages, dendritic cells and thymocytes. This rec human TECK is a 14.2 kDa protein containing 127 amino acid residues.
Amino Acid Sequence	QGVFEDCCLA YHYPIGWAVL RRAWTYRIQE VSGSCNLPAAIFYLPKRHRK VC GN PK SREV QRAMKLLDAR NKVFAKLHHNMQTFQAGPHA VKKLSSGNSK LS SS K FS NPI SSSRKNVSLLISANSGL.
Supplied	Lyophilized powder with no additives.
Purity	>98% by SDS-Page and HPLC analysis Endotoxin level is less than 0.1ng per ug (1EU/ug) of TECK.
Reactivity	The reactivity of this rhuman TECK was determined by a chemotaxis assay using human monocytes. Significant chemotaxis was achieved using concentration of 0.1-10ng/ml.
Note	If this material is not to be used for coating or labeling (or other applications requiring

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	carrier free material), the addition of 0.1% BSA to further dilution buffers or dilution in sterile culture media is recommended to enhance stability and minimize absorption to vial. Ideally, maintain stock >50ug/ml.
Reconstitution	The lyophilized TECK should be reconstituted in water to a concentration of 0.1-1.0mg/ml. Allow to set at least 30 minutes at 4°C, tighten cap and rotate to reconstitute any material on sides of vial. If desired, you can centrifuge at 1000 rpm for 1 minute to concentrate volume in bottom of vial. This solution can be diluted into other buffered solutions containing carrier protein or medium and stored at -20 °C for future use.
Storage	The lyophilized powder is stable at room temperature for a few weeks but it is best stored desiccated at -20°C. Reconstituted TECK should be stored in working aliquots at -20°C. AVOID FREQUENT FREEZE THAW CYCLES.

GENE INFORMATION

Gene Name	chemokine (C-C motif) ligand 25 [Homo sapiens]
Synonyms	chemokine (C-C motif) ligand 25; TECK; Ckb15; SCYA25; MGC150327; CCL25; small inducible cytokine A25; TECKvar; Ck beta-15; chemokine TECK; thymus expressed chemokine; small inducible cytokine subfamily A (Cys-Cys), member 25; TECKvar; Thymus-expressed chemokine; Small-inducible cytokine A25; Chemokine TECK
Gene ID	6370
mRNA Refseq	NM_005624
Protein Refseq	NP_005615

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MIM	602565
UniProt ID	O15444
Chromosome Location	19p13.2
Pathway	Chemokine signaling pathway; Cytokine-cytokine receptor interaction; Signaling by GPCR
Function	chemokine activity; hormone activity; protein binding

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