

# Recombinant Murine Thymus Expressed Chemokine/CCL25 (rMuTECK/CCL25)

## ChemWhat Technical Data Sheet (TDS)

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<b>Catalog Number:</b>	224-25
<b>Source:</b>	Escherichia coli.
<b>Molecular Weight:</b>	Approximately 14.1 kDa, a single, non-glycosylated polypeptide chain containing 121 amino acids.
<b>Quantity:</b>	5µg /20µg /1000µg
<b>AA Sequence:</b>	QGAFEDCCLG YQHRIKWNVL RHARNYHQQE VSGSCNLRAV RFYFRQKVVC GNPEDMNVKR AIRILTARKR LVHWKSASDS QTERKKSNHM KSKVENPNST SVRSATLGHP RMVMMPRKTN N
<b>Purity:</b>	> 95 % by SDS-PAGE and HPLC analyses.
<b>Biological Activity:</b>	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human monocytes is in a concentration range of 5.0-50 ng/ml.
<b>Physical Appearance:</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Formulation:</b>	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.4, 150 mM NaCl.
<b>Endotoxin:</b>	Less than 1 EU/µg of rMuTECK/CCL25 as determined by LAL method.
<b>Reconstitution:</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.
<b>Shipping:</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage:</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"><li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li><li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li><li>● 3 months, -20 to -70 °C under sterile conditions after reconstitution.</li></ul>
<b>Usage:</b>	ChemWhat Limited in UK offers this branded product for research, development or further evaluation purposes. <b>NOT FOR HUMAN USE.</b>

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### *Murine Thymus Expressed Chemokine/CCL25*

CCL25 is new member of 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 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.