

DATASHEET

Version 20181206

CXCL17, Rat**Cat. No.:** Z02957-1**Size:** 1.0 mg

Synonyms: Protein Cxcl17, Cxcl17, RGD1304717, C-X-C motif chemokine 17, VEGF co-regulated chemokine 1, Vcc1, VCC-1

Description:

Chemokine (C-X-C motif) ligand 17 (CXCL17) is a small cytokine belonging to the CXC chemokine family that has been identified in humans and mice. CXCL17 attracts dendritic cells and monocytes and is regulated in tumors. It is also known as VEGF co-regulated chemokine 1 (VCC-1) and dendritic cell- and monocyte-attracting chemokine-like protein (DMC). This chemokine is constitutively expressed in the lung.

Amino Acid Sequence:

00001 SPNQEVARRH GDQHQAPRRW LWEGGQECDC KDWSLRVSKR
00041 KTTAVLEPPR KQPCDHVKG SEKKNRQKH HRKSQRPSRT
00081 CQQFLKRCQL ASFTLPL

Source: *E. coli***Species:** Rat

Biological Activity: Fully biologically active when compared to standard. The ED₅₀ as determined by its ability to induce VEGF expression using murine endothelial cells is less than 5.0 µg/ml, corresponding to a specific activity of > 200 IU/mg.

Molecular Weight: Approximately 11.5 kDa, a single non-glycosylated polypeptide chain containing 97 amino acids.

Formulation: Lyophilized from a 0.2 µm filtered concentrated solution in 2 × PBS, pH 7.4.

Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Reconstitution: 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.

Purity: > 97 % by SDS-PAGE and HPLC analyses.

Endotoxin Level: Less than 1 EU/µg of rRtVCC-1/CXCL17 as determined by LAL method.

Storage: This lyophilized preparation is stable at 2-8 °C, but should be kept at -20 °C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8 °C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20 °C to -70 °C. Avoid repeated freeze/thaw cycles.