10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MIP2-alpha, CXCL2

Catalog # PVGS1157

Product Information

Species	Rat
Sequence	VVVASELRCQ CLTTLPRVDF KNIQSLTVTP PGPHCAQTEV IATLKDGHEV CLNPEAPLVQ RIVQKILNKG KAN
Purity	>98% by SDS-PAGE and HPLC analyses.
Endotoxin Level	Less than 1 EU/ μg of rRtMIP-2/CXCL2 as determined by LAL method.
Formulation **Reconstitution**	Lyophilized from a 0.2 μm filtered concentrated solution in PBS, pH 7.4. 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.

Additional Information

Target Background	Rat CXCL2 also named CINC-3, is belonging to the CXC chemokine family. It is encoded by the gene CXCL2. CXCL2 shares 90% amino acid sequence with CXCL1/GROα. CINC-3 is member of the intercrine alpha (chemokine C-X-C) subfamily of chemokines. This chemokine is expressed by cytokine-stimulated rat alveolar macrophages and fibroblasts. The functional receptor for CXCL2 has been identified as CXCR2. CXCL2 is chemotactic for polymorphonuclear leukocytes and hematopoietic stem cells. Similar to other GRO proteins, CXCL2 is potent neutrophil attractants and activators. In addition, it is also active toward basophils. The amino acid sequence of rat CXCL2 is 88% identical to murine CXCL2.

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