



Technical Data Sheet

Recombinant Rat LPS-induced CXC chemokine/CXCL5 (rRt LIX/CXCL5)

Rat LPS-induced CXC chemokine/CXCL5

LPS-induced CXC chemokine (LIX) is a CXC chemokine that signals through the CXCR2 receptor. It is expressed in monocytes, platelets, endothelial cells, and mast cells. LIX is a chemoattractant for neutrophils. LIX contains the four conserved cysteine residues present in CXC chemokines, and also contains the 'ELR' motif common to CXC chemokine that bind to the CXCR1 and CXCR2 receptors.

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| Catalog Number: | RC352-16 |
| Source: | <i>Escherichia coli</i> . |
| Molecular Weight: | Approximately 9.8 kDa, a single, non-glycosylated polypeptide chain containing 93 amino acids. |
| Quantity: | 5µg/20µg/1000µg |
| AA Sequence: | APSSVIAATE LRCVCLTVTP KINPKLIANL EVIPAGPOCP TVEVIAKLKN QKEVCLDPEA PVIKKIIIQK ILGSDKKKAK RNALAVERTA SVQ |
| Purity: | >97% by SDS-PAGE and HPLC analyses. |
| Biological Activity: | Fully biologically active when compared to standard. The ED ₅₀ determined by a chemotaxis bioassay using human peripheral blood neutrophils is less than 100 ng/ml, corresponding to a specific activity of $> 1.0 \times 10^4$ IU/mg. |
| Physical Appearance: | Sterile Filtered White lyophilized (freeze-dried) powder. |
| Formulation: | Lyophilized from a 0.2µm filtered concentrated solution in 2 × PBS, pH 7.4. |
| Endotoxin: | Less than 1EU/µg of rRtLIX/CXCL5 as determined by LAL method. |
| 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. |
| 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. |



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