

32-6606: LIX Mouse

Application : Functional Assay

Alternative Name : C-X-C motif chemokine 5, Small-inducible cytokine B5, Cytokine LIX, Cxcl5, Scyb5, LIX, GCP-2, Scyb6, ENA-78, AMCF-II.

Description

Source: Escherichia Coli.

Sterile Filtered White lyophilized (freeze-dried) powder.

Chemokine (C-X-C motif) ligand 5 (CXCL5) is a small cytokine belonging to the CXC chemokine family that is also known as epithelial-derived neutrophil-activating peptide 78 (ENA-78). It is produced following stimulation of cells with the inflammatory cytokines interleukin-1 or tumor necrosis factor-alpha. Expression of CXCL5 has also been observed in eosinophils, and can be inhibited with the type II IFN. This chemokine stimulates the chemotaxis of neutrophils possesses angiogenic properties. It elicits these effects by interacting with the cell surface chemokine receptor CXCR2. The gene for CXCL5 is encoded on four exons and is located on human chromosome 4 amongst several other CXC chemokine genes. CXCL5 has been implicated in connective tissue remodelling.

LIX Mouse (CXCL5) Recombinant (49-118) produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 74 amino acids and having a molecular mass of 8kDa. The LIX Mouse is expressed with 4 additional amino acids [VIAA] at n-terminus and purified by proprietary chromatographic techniques.

Product Info

Amount : 5 µg / 20 µg

Purification : Greater than 97.0% as determined by SDS-PAGE.

Content : LIX Mouse is lyophilized from a 0.2µm filtered solution in PBS. It is recommended to reconstitute the lyophilized LIX Mouse in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Storage condition : Lyophilized LIX Mouse although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CXCL5 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Amino Acid : VIAATELRVC CLTVTPKINP KLIANLEVIP AGPQCPTVEV IAKLKNQKEV CLDPEAPVIK KIIQKILGSD KKKA.

Application Note

The ED50, as measured by its ability to chemoattract human CXCR2-transfected mouse BaF3 cells, is less than 0.1Åµg/ml.