

## Mouse CXCL5/LIX/ENA-78/GCP 2 ELISA Kit | CXCL5 elisa kit

Mouse CXCL5/LIX/ENA-78/GCP 2 PicoKine Fast ELISA Kit

CATALOG #  
**AAA125353**

REACTIVITY  
**Mouse**

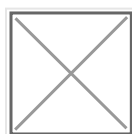
### PRODUCT SYNONYMS

CXCL5/LIX/ENA-78/GCP 2; Mouse CXCL5/LIX/ENA-78/GCP 2 PicoKine Fast ELISA Kit; Mouse CXCL5/ENA-78; C-X-C motif chemokine 5; Cytokine LIX; Small-inducible cytokine B5; GCP-2(1-78); GCP-2(9-78); Cxcl5; Scyb5; CXCL5 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                 |
| Specificity             | Natural and recombinant Mouse Cxcl5                                                                                                                   |
| Sequence Length         | 132                                                                                                                                                   |
| Samples                 | Cell culture supernates, serum and plasma(heparin, EDTA, citrate)                                                                                     |
| Detection Range         | 15.6pg/ml-1000pg/ml                                                                                                                                   |
| Sensitivity             | <10pg/ml                                                                                                                                              |
| Intra-assay Precision   | Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.     |
| Inter-assay Precision   | Inter-Assay Precision (Precision accross assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision. |
| Preparation and Storage | Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.                                             |

### IMAGES



Standard Curve (Sample)

## ADDITIONAL INFORMATION

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| <b>Related Product Information for CXCL5 elisa kit</b> | <p>Principle of the Assay: The Picokine™ Mouse Cxcl5 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse Cxcl5 with a 96-well strip plate that is pre-coated with antibody specific for Cxcl5. The detection antibody is a biotinylated antibody specific for Cxcl5. The capture antibody is monoclonal antibody from rat, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Mouse Cxcl5 with immunogen: Expression system for standard: E.coli; Immunogen sequence: V45-A118. The kit is analytically validated with ready to use reagents. To measure Mouse Cxcl5, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Mouse Cxcl5 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Cxcl5 in the sample.!!Background/Introduction: C-X-C motif chemokine 5 is a protein that in humans encoded by the CXCL5 gene. The protein encoded by this gene, 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 interferon IFN-gamma. This chemokine stimulates the chemotaxis of neutrophils possessing 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 remodeling. CXCL5 plays a role in reducing sensitivity to sunburn pain in some subjects, and is a potential target which can be utilized to understand more about pain in other inflammatory conditions like arthritis and cystitis.</p> |
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## NCBI AND UNIPROT INFORMATION

|                                  |                                                  |
|----------------------------------|--------------------------------------------------|
| NCBI GI #                        | <a href="#">114842398</a>                        |
| NCBI GeneID                      | <a href="#">20311</a>                            |
| NCBI Accession #                 | <a href="#">NP_033167.2</a>                      |
| NCBI GenBank Nucleotide #        | <a href="#">NP_033167.2</a>                      |
| UniProt Accession #              | <a href="#">P50228</a>                           |
| NCBI Official Full Name          | C-X-C motif chemokine 5                          |
| NCBI Official Synonym Full Names | chemokine (C-X-C motif) ligand 5                 |
| NCBI Official Symbol             | Cxcl5                                            |
| NCBI Official Synonym Symbols    | LIX; Cxcl6; GCP-2; Scyb5; Scyb6; ENA-78; AMCF-II |
| NCBI Protein Information         | C-X-C motif chemokine 5                          |
| UniProt Protein Name             | C-X-C motif chemokine 5                          |
| UniProt Gene Name                | <b>Cxcl5</b>                                     |
| UniProt Synonym Gene Names       | Scyb5                                            |
| UniProt Entry Name               | CXCL5_MOUSE                                      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/cxcl5-lix-ena-78-gcp-2/125353>