

Datasheet for ABIN6719815 **CXCL1 ELISA Kit**



[Go to Product page](#)

1 Image

Overview

| | |
|--------------------------|-------------------------|
| Quantity: | 1 kit |
| Target: | CXCL1 |
| Reactivity: | Rat |
| Method Type: | Sandwich ELISA |
| Detection Range: | 15.6 pg/mL - 1000 pg/mL |
| Minimum Detection Limit: | 15.6 pg/mL |
| Application: | ELISA |

Product Details

| | |
|--------------------|--|
| Purpose: | Sandwich ELISA for Quantitative Detection of Antigen |
| Sample Type: | Cell Culture Supernatant, Plasma (EDTA), Serum |
| Analytical Method: | Quantitative |
| Detection Method: | Colorimetric |
| Characteristics: | <p>Synonyms: C-X-C motif chemokine 1, chemokine ligand 1, fibroblast secretory protein, FSP, GRO, GRO protein alpha, GRO-alpha(1-73), GRO1, GRO1 oncogene, GROa, growth-regulated alpha protein, Keratinocyte-derived chemokine, mouse homolog of, Melanoma growth stimulatory activity, melanoma growth stimulatory activity alpha, MGSA, MGSA a, MGSA alpha, NAP 3, Neutrophil-activating protein 3, SCYB1, Small inducible cytokine subfamily B member 1</p> <p>Background: Chemokine(C-X-C motif) ligand 1(CXCL1) is a small cytokine belonging to the CXC chemokine family that was previously called GRO1 oncogene, GROalpha, KC, Neutrophil-activating protein 3(NAP-3) and melanoma growth stimulating activity, alpha(MSGA-alpha). In</p> |

Product Details

humans, this protein is encoded by the CXCL1 gene. The gene for CXCL1 is located on human chromosome 4 amongst genes for other CXC chemokines. The mature form of CXCL1 is maximally 73 amino acids long. CXCL1 is secreted by human melanoma cells, has mitogenic properties and is implicated in melanoma pathogenesis. CXCL1 is expressed by macrophages, neutrophils and epithelial cells, and has neutrophil chemoattractant activity. This chemokine elicits its effects by signaling through the chemokine receptor CXCR2. CXCL1 decreased the severity of multiple sclerosis and may offer a neuro-protective function.

Gene Name: CXCL1

Production: Natural and recombinant rat CXCL1. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: E.coli, Immunogen sequence: A25-K96

Target Details

Target: CXCL1

Alternative Name: CXCL1 ([CXCL1 Products](#))

Gene ID: 81503

NCBI Accession: [NP_110472](#)

UniProt: [P14095](#)

Pathways: [Autophagy](#)

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL, 15.6pg/mL rat CXCL1 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of rat cell culture supernatants, serum or plasma(EDTA) to each empty well. It is recommended that each rat CXCL1 standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Sodium EDTA

ELISA Dilution: 15.6pg/mL-1000pg/mL

Sample Volume: 100 µL

Plate: Pre-coated

Application Details

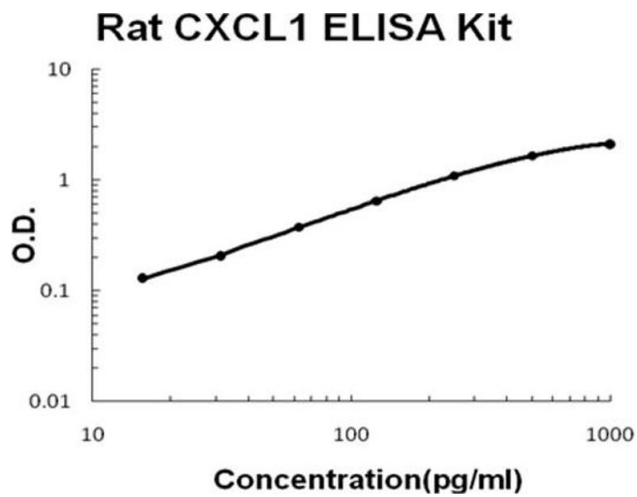
Restrictions: For Research Use only

Handling

Storage: RT, 4 °C, -20 °C

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images



ELISA

Image 1. Rat CXCL1 Accusignal ELISA Kit Rat CXCL1 AccuSignal ELISA Kit standard curve. Assay Range: 15.6pg/ml-1000pg/ml. Sensitivity: <1pg/ml.