

Human Growth-Regulated Alpha Protein, CXCL1 ELISA Kit | CXCL1 elisa kit

Human Growth-Regulated Alpha Protein, CXCL1 Primacu ELISA Kit

CATALOG #
AAA124446

REACTIVITY
Human

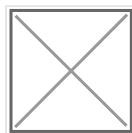
PRODUCT SYNONYMS

Growth-Regulated Alpha Protein; CXCL1; Human Growth-Regulated Alpha Protein; CXCL1 Primacu ELISA Kit; Growth-regulated alpha protein; GRO; GRO1; GROA; MSGA; SCYB1; CXCL1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernates
Detection Range	3.13-200pg/mL
Sensitivity	0.61pg/mL
Standard Solution	2ng/mL
Assay Time	3.5h
Preparation and Storage	Store at 2-8 degree C

IMAGES



Standard Curve (Sample)

Typical Testing Data/Standard Curve (for reference only)

ADDITIONAL INFORMATION

Related Product Information for CXCL1 elisa kit

The Chemokine (C-X-C motif) Ligand 1, CXCL1, is a small cytokine belonging to the CXC chemokine family that was previously called GRO1 oncogene, GRO γ , KC, Neutrophil-activating protein 3 (NAP-3) and melanoma growth stimulating activity, alpha (MSGA-a). CXCL1 already known to be important in osteoarthritis (OA), as a novel target gene of transcription factor AP-2 γ in chondrocytes and support the important role of AP-2 γ in cartilage. CXCL1 is a potent neutrophil chemoattractant with recognized roles in angiogenesis and inflammation. CXCL1 is a novel immediate PTH/PTHrP-responsive gene. CXCL1 may act as a chemoattractant for osteoclast precursors. CXCL1 may also have important pro-nociceptive effects via its direct actions on sensory neurons, and may induce long-term changes that involve protein synthesis. CXCL1 plays a critical nonredundant role in the development of experimental Lyme arthritis and carditis via CXCR2-mediated recruitment of neutrophils into the site of infection. CXCL1 functions through CXCR2 to transactivate the EGFR by proteolytic cleavage of HB-EGF, leading to activation of MAPK signalling and increased proliferation of epithelial ovarian cancer (EOC) cells. It might limit tumor growth by reinforcing senescence early in tumorigenesis. Thus, CXCL1 plays a role in spinal cord development by inhibiting the migration of oligodendrocyte precursors and is involved in the processes of angiogenesis, inflammation, wound healing, and tumorigenesis.

Product Categories/Family for CXCL1 elisa kit

Primacu ELISA Kit; Immunology; Neuroscience; Stem cells; Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504153
NCBI GeneID	2919
NCBI Accession #	NP_001502.1
NCBI GenBank Nucleotide #	NM_001511.3
UniProt Accession #	P09341; Q9UCR7
Molecular Weight	11,301 Da
NCBI Official Full Name	growth-regulated alpha protein
NCBI Official Synonym Full Names	chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)
NCBI Official Symbol	CXCL1
NCBI Official Synonym Symbols	FSP; GRO1; GROa; MGSA; NAP-3; SCYB1; MGSA-a
NCBI Protein Information	growth-regulated alpha protein; MGSA alpha; GRO-alpha(1-73); C-X-C motif chemokine 1; fibroblast secretory protein; neutrophil-activating protein 3; melanoma growth stimulatory activity alpha; GRO1 oncogene (melanoma growth-stimulating activity); GRO1 onc
UniProt Protein Name	Growth-regulated alpha protein
UniProt Gene Name	CXCL1
UniProt Synonym Gene Names	GRO; GRO1; GROA; MGSA; SCYB1; MGSA; NAP-3
UniProt Entry Name	GROA_HUMAN

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/human-elisa-kits/growth-regulated-alpha-protein-cxcl1/124446>