



## Rat Growth-regulated alpha protein ELISA Kit (2 plates)

**Catalogue No.:** BEK-2123-2P

**Description:** The rat Growth-regulated alpha protein (CXCL1) Kit is a sandwich ELISA. The capture antibody is a polyclonal rat CXCL1 antibody pre-coated onto the 96-well strip plates provided in the kit. Rat test samples and standards of known CXCL1 concentration are added to these wells and allowed to complex with the bound CXCL1 antibody. A biotinylated rat CXCL1 polyclonal antibody is then added. This detection antibody binds to the antigen thus completing the sandwich. After washing, an enzyme Avidin-Biotin-Peroxidase complex (ABC) is added which binds to the second antibody. The peroxidase substrate TMB is added to induce a coloured reaction product. The intensity of this coloured product is directly proportional to the concentration of CXCL1 present in the samples. The purpose of this kit is the in-vitro quantitative determination of rat CXCL1 in samples such as sera, plasma, tissue lysates and cell culture supernates. This kit has been configured for research use only and is not to be used in diagnostic or clinical procedures.

**Batch No.:** See product labels

**Other Names:** C-X-C motif chemokine 1; Cytokine-induced neutrophil chemoattractant 1; Platelet-derived growth factor-inducible protein KC; Cxcl1; Cinc1; Gro; Scyb1;

**Accession:** P14095 GROA\_RAT;

**Specificity:** Rat Growth-regulated alpha protein

**Storage:** Store at 4°C

**Kit components:** The ELISA kit box contains 2 x 96-well pre-coated strip plates, protein standards, detection reagents, substrate buffer and detailed protocols.

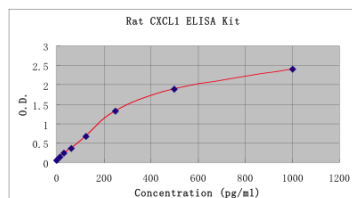
**Range:** 15.6 pg/ml - 1,000 pg/ml

**Sensitivity:** < 1 pg/ml

**Kit protocol:** Please refer to our online product listing for current protocol/MSDS versions.

**Typical Rat Growth-regulated alpha protein ELISA Kit Standard Curve**  
(TMB reaction incubated at 37°C for 11 min)

Concentration (pg/ml)	0.0	15.6	31.3	62.5	125	250	500	1000
O.D.	0.058	0.144	0.232	0.362	0.676	1.320	1.889	2.403



This standard curve is for demonstration purposes only. A standard curve should be generated for each assay.

FOR RESEARCH USE ONLY