



Rat growth-regulated oncogene α /melanoma growth stimulating activity,GRO α /MGSA Elisa Kit

Product Code	CSB-E12997r
Abbreviation	CXCL1
Protein Biological Process 1	Immunity
Target Name	chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)
Uniprot No.	P14095
Alias	FSP, GRO1, GROa, MGSA, MGSA-a, NAP-3, SCYB1, GRO1 oncogene (melanoma growth stimulating activity, alpha) GRO1 oncogene (melanoma growth-stimulating activity) MGSA alpha chemokine (C-X-C motif) ligan growth-regulated oncogene α /melanoma growth stimulating activity,GRO α /MGSA growth-regulated oncogene alpha/melanoma growth stimulating activity,GRO alpha/MGSA
Product Type	ELISA Kit
Immunogen Species	Rattus norvegicus (Rat)
Protein Biological Process 3	Inflammatory response
Sample Types	serum, plasma, tissue homogenates
Detection Range	125 pg/mL-8000 pg/mL
Sensitivity	31.25 pg/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Immunology
Gene Names	Cxcl1
Tag Info	quantitative
Protein Description	Sandwich
Description	This Rat CXCL1 ELISA Kit was designed for the quantitative measurement of Rat CXCL1 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 125 pg/mL-8000 pg/mL and the sensitivity is 31.25 pg/mL.



Product Precision

Intra-assay Precision (Precision within an assay): CV%<8%

Three samples of known concentration were tested twenty times on one plate to assess.

Inter-assay Precision (Precision between assays): CV%<10%

Three samples of known concentration were tested in twenty assays to assess.

Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of rat GRO α /MGSA in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

?	Sample	Serum(n=4)
1:1	Average %	91
	Range %	86-95
1:2	Average %	106
	Range %	101-112
1:4	Average %	93
	Range %	87-96
1:8	Average %	93
	Range %	86-98

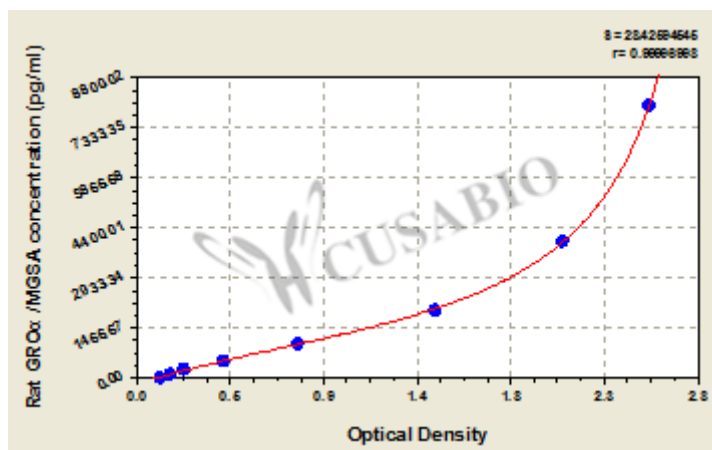
Recovery

The recovery of rat GRO α /MGSA spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	94	89-98
EDTA plasma (n=4)	99	96-104

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



pg/ml	OD1	OD2	Average	Corrected
8000	2.454	2.589	2.522	2.396
4000	2.012	2.180	2.096	1.970
2000	1.445	1.496	1.471	1.345
1000	0.784	0.809	0.797	0.671
500	0.433	0.441	0.437	0.311
250	0.236	0.249	0.243	0.117
125	0.173	0.179	0.176	0.050
0	0.125	0.127	0.126	?

Msds

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