



User's Manual

Rat GRO/CINC-3 (GRO-beta/MIP-2) ELISA Kit



DEIABL344



96T



This product is for research use only and is not intended for diagnostic use.

For illustrative purposes only. To perform the assay the instructions for use provided with the kit have to be used.

Creative Diagnostics

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PRODUCT INFORMATION

Intended Use

The CD's Rat GRO/CINC-3 Assay Kit is a complete kit for the quantitative determination of Rat GRO/CINC-3 in serum, EDTA-plasma and supernatant of cell culture media.

Both recombinant and native forms of Rat GRO/CINC-3 can be detected with the kit.

General Description

GRO (Growth Related Oncogene) belonging to IL-8 family is a polypeptide which has three isoforms (α , β and γ), and it inhibits proliferation of endothelial cells. GRO/CINC-1 (cytokine-induced neutrophil chemo attractant 1) was originally purified from media conditioned by IL-1 β stimulated rat kidney epithelioid cells (NRK-52E). CINC-1 is a member of the alpha (CXC) subfamily of chemokines. Three additional rat CXC chemokines (CINC-2 α , CINC-2 β , CINC-3/MIP-2) have been identified. The protein sequence of CINC-1 is 63 - 67% identical to that of CINC-2 α , CINC-2 β and CINC-3/MIP-2. In addition, each of GRO α , GRO β and GRO γ is sharing 68%, 71% and 69% identity with CINC-1. This has been suggested that CINC's are the rat counterparts of human GROs. GRO α /MGSA has a high homology with IL-8 in amino acid sequences.

Storage

2-8°C

Precision

Inter - Assay

Measurement Value (pg/mL)	SD value	CV value (%)	n
163.89	6.87	4.2	24
42.90	1.96	4.6	24
19.91	0.89	4.5	24

Intra – Assay

Measurement Value (pg/mL)	SD value	CV value (%)	n
165.30	7.96	4.8	33
43.71	2.22	5.1	33
20.41	1.21	5.9	33

Detection Range

4.7 - 300 pg/mL

Sensitivity

0.51 pg/mL