



**User's Manual**

# **Rat GRO/CINC-2-beta ELISA Kit**



**DEIABL343**



**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.

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## PRODUCT INFORMATION

### Intended Use

The CD's GRO/CINC-2  $\beta$  EIA Kit is a complete kit for the quantitative determination of GRO/CINC-2  $\beta$  in serum and supernatant of cell culture media.

Both recombinant and native forms of GRO/CINC-2  $\beta$  can be detected with the kit

### General Description

GRO (Growth Related Oncogene) belonging to IL-8 family is polypeptide which has three isoforms  $\alpha$ ,  $\beta$  and  $\gamma$ , 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 $\beta$  stimulated rat kidney epithelioid cells (NRK-52E.) Amino acid sequence that encodes rat CINC-1 was identified in 1989 by Watanabe's group at Toyama Medical and Pharmaceutical University. CINC-1 is a member of the alpha (CXC) subfamily of chemokines. Three additional rat CXC chemokines (CINC-2 $\alpha$ , CINC-2 $\beta$ , CINC-3/MIP-2) have been identified. The protein sequence of CINC-1 is 63 - 67% identical to that of CINC-2 $\alpha$ , CINC-2 $\beta$  and CINC-3/MIP-2. In addition, each of GRO $\alpha$ , GRO $\beta$  and GRO $\gamma$  is sharing 68%, 71% and 69% identity with CINC-1. This has been suggested that CINC $\alpha$ s are the rat counterparts of human GROs.

### Storage

2-8°C

### Precision

#### Inter – Assay

Measurement Value (pg/mL)	SD value	CV value (%)	n
285.3	7.8	2.7	7
51.6	3.4	6.6	7
17.8	0.3	1.7	7

#### Intra – Assay

Measurement Value (pg/mL)	SD value	CV value (%)	n
253.0	7.4	2.9	3
37.2	2.8	7.5	3

### Detection Range

9.4 - 600 pg/mL



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