IBL Data Sheet

Code No. 18251

Anti-Rat
GRO/CINC-1 Rabbit IgG

Volume : 500 µg

Introduction : Growth Related Oncogene (GRO) /Cytokine-induced neutrophil chemo attractant 1 (CINC-1) was originally purified from media conditioned by IL-1βstimulated rat kidney epithelioid cells (NRK-52E). Amino acid sequence that encodes for 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-2α, CINC-2β, CINC-3/MIP-2) have been identified. The protein sequence of CINC-1 is 63 - 67 % identical to that of CINC-2α, CINC-2β, CINC-3/MIP-2. In addition, GROα, GROβ and GROγ is sharing 68%, 71 % and 69 %, identity with CINC-1. This has been suggested that CINCs are the rat counterpart of human GROs.

Antigen : Synthetic peptides of the whole of rat GRO/CINC-1

Purification : Purified with Protein A

Form : Lyophilized product from 1 % BSA in PBS containing 0.05 % NaN_3

How to use : 1.0 mL deionized water will be added to the product (the conc. comes up 500 µg /mL)

Stability : Lyophilized product, 5 years at 2 – 8 °C
: Solution, 2 years at –20 °C

Application : This antibody can be used for immunohistochemistry with formalin fixed paraffin embedded tissues by several techniques such as Avidin Biotin Complex (ABC) Method. The optimal concentration is 10 - 20 µg/mL, however, the concentration should be optimized by each laboratory.
: This antibody can be used for western blotting in concentration of 10 - 20 µg /mL.

Specificity : Cross reacts with mouse KC.
Not cross-react with rat GRO/CINC-2α, rat GRO/CINC-2β, mouse MIP-2 or rat GRO/CINC-3

Reference : Shijo H. *et al*., Evaluation of neutrophil functions after experimental abdominal surgical trauma. Inflammation Res., 1998: 47 (2), 67-74

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