IBL Data Sheet

Code No. 10072

Anti-Rat
GRO/CINC-1 (2A9) (N) Mouse IgG MoAb

Volume : 500 µg

Introduction : 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 peptide of the part of the N-terminal of Rat GRO/CINC-1

Source : Mouse-Mouse hybridoma
(X63 - Ag 8.653 × BALB/c mouse spleen cells, ascites)

Clone : 2A9 **Subclass** : IgG_1

Purification : Affinity purified with protein A

Form : Lyophilized product in PBS

How to use : 1.0 mL deionized water will be added to the product, then its concentration comes to 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 western blotting in concentration of 2 - 5 µg/mL.
: This antibody also can be used for neutralization test in concentration at 100 µg/mL.

Specificity : Not react with C-terminal of Rat GRO/CINC-1, Rat GRO/CINC-2 alpha, Rat GRO/CINC-2 beta, Rat GRO/CINC-3, Mouse MIP-2, Human GRO alpha or Human IL-8.

Reference : Yagihashi A. *et al.*, Prevention of small intestinal ischemiareperfusion injury in rat by anti-cytokine-induced neutrophil chemoattractant monoclonal antibody. J. of Surg. Res., 1998: 78 (2), 92-96.

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