

Code No. 10072

**Anti-Rat
GRO/CINC-1 (2A9) (N) Mouse IgG MoAb**Volume : 500 μ gLot No : 9D-404

Introduction : Cytokine-induced neutrophil chemo attractant 1(CINC-1) was originally purified from media conditioned by IL-1 β stimulated 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-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 , CINC-3/MIP-2. In addition, GRO α , GRO β and GRO γ is sharing 68%, 71% and 69%, identity with CINC-1. This has been suggested that CINC-1 is the rat counterpart of human GROs.

Antigen : Synthetic peptide to N-terminal of Rat GRO/CINC-1

Source : Mouse-Mouse hybridoma

Clone : 2A9

Subclass : IgG₁

Purification : Affinity Purified with protein A

Form : Lyophilized product from 1% BSA in PBS containing 0.05%NaN₃

How to use : 1 ml distilled water will be added to the product

Dilution : PBS (pH7.4) containing 1% BSA

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 μ g/ml.
: This antibody also can be used for neutralization assay in concentration at 100 μ g/ml.

Specificity : No react with Rat GRO/CINC-1 C-terminal, Rat GRO/CINC-2alpha, Rat GRO/CINC-2beta, Rat GRO/CINC-3, Mouse MIP-2, Human GRO alpha and 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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