IBL Data Sheet

Code No. 18257

Anti-Rat
GRO/CINC-1, N-terminal specific, Rabbit IgG Affinity Purify

Volume : 100 μg

Lot No : 0B-002

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 CINCs are the rat counterpart of human GROs.

Antigen : Synthetic peptide for N-Terminal of rat GRO/CINC-1 conjugating bovine thyroglobulin

Purification : Affinity Purified with synthetic peptide

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

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 ℃
: Solution, 2 years at –20 ℃

Application : This antibody can be stained both in frozen sections and in formalin fixed paraffin embedded tissues by several Immunohistochemical techniques such as Avidin Bition Complex (ABC) Method. The optimal dilution is 2～5 μg/ml, however, the dilution rate should be optimized by each laboratories.
: This antibody can be used for western blotting in concentration of 2～5 μg/ml.

Specificity : Rat GRO/CINC-1 (100%), Rat GRO β/MIP2 (<0.1%), Human IL-8 (<0.1%), Human GRO α (1.56%)

Chemotactic Activity : Inhibit migration of neutrophil (up to 6 nM) at 10 μg/ml

Reference : Koike K. et al. The production of CINC/gro, a member of the interleukin-8 family, in rat anterior pituitary gland. Biochemical And Biophysical Research Communications. 1994: **202** (1), 161-167

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