

Code No. 18367

**Anti-Mouse
KC (N) Rabbit IgG Affinity Purify**Volume : 100 µg

Introduction : Mouse KC (Keratinocyto-derived Cytokine) is a counterpart of human GRO protein and it has been reported that KC is produced in such as activated monocyte and fibroblast.**Antigen** : Synthetic peptide of the N-terminal part of Mouse KC**Purification** : Purified with antigen peptide**Form** : Lyophilized product in PBS.**How to use** : 1.0 mL deionized water will be added to the product (the conc. comes up 100 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. The optimal concentration is about 5 µg/mL, however, the concentration should be optimized by each laboratory.
: This antibody can be used for western blotting in concentration of 1 - 5 µg /mL.**Specificity** : Cross-reacts with rat GRO/CINC-1. (100 %)
Not cross-react with human IL-8, human GRO α , rat GRO/CINC-2 α , rat GRO/CINC-2 β , rat GRO/CINC-3, Mouse MIP-2. (< 0.1 %)

- Reference**
- :
1. Watanabe K, Nakagawa H. Production of a chemotactic factor for polymorphonuclear leukocytes by epithelioid cells from rat renal glomeruli in culture. *Biochem Biophys Res Commun.* 1987 Dec 31;149(3):989-94.
 2. Watanabe K, Kinoshita S, Nakagawa H. Purification and characterization of cytokine-induced neutrophil chemoattractant produced by epithelioid cell line of normal rat kidney (NRK-52E cell). *Biochem Biophys Res Commun.* 1989 Jun 30;161(3):1093-9.
 3. Watanabe K, Konishi K, Fujioka M, Kinoshita S, Nakagawa H. The neutrophil chemoattractant produced by the rat kidney epithelioid cell line NRK-52E is a protein related to the KC/gro protein. *J Biol Chem.* 1989 Nov 25;264(33):19559-63.
 4. Nakagawa H, Ikesue A, Hatakeyama S, Kato H, Gotoda T, Komorita N, Watanabe K, Miyai H. Production of an interleukin-8-like chemokine by cytokine-stimulated rat NRK-49F fibroblasts and its suppression by anti-inflammatory steroids. *Biochem Pharmacol.* 1993 Apr 6;45(7):1425-30.
 5. Koike K, Sakamoto Y, Sawada T, Ohmichi M, Kanda Y, Nohara A, Hirota K, Kiyama H, Miyake A. The production of CINC/gro, a member of the interleukin-8 family, in rat anterior pituitary gland. *Biochem Biophys Res Commun.* 1994 Jul 15;202(1):161-7.
 6. Kanda Y, Koike K, Sakamoto Y, Osako Y, Masuhara K, Watanabe K, Tsurufuji S, Hirota K, Miyake A. GRO-alpha in human serum: differences related to age and sex. *Am J Reprod Immunol.* 1997 Jul;38(1):33-8.
 7. Shijo H, Iwabuchi K, Hosoda S, Watanabe H, Nagaoka I, Sakakibara N. Evaluation of neutrophil functions after experimental abdominal surgical trauma. *Inflamm Res.* 1998 Feb;47(2):67-74.
 8. Yagihashi A, Tsuruma T, Tarumi K, Kameshima T, Yajima T, Yanai Y, Watanabe N, Hirata K. Prevention of small intestinal ischemia-reperfusion injury in rat by anti-cytokine-induced neutrophil chemoattractant monoclonal antibody. *J Surg Res.* 1998 Aug;78(2):92-6.

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