

Purified Rabbit Anti-rat KC

Catalog Number: TP212

Lot Number: 012813

Content: Protein A purified rabbit IgG, 500 µg, with 0.1% sodium azide, lyophilized.

(Reconstitute to 1 mg/ml by adding 500 µl H₂O)

Product Description and Usage: For research use only. This neutralizing polyclonal antibody, which reacts with recombinant and natural rat and mouse KC/CINC, was generated using *E. coli*-expressed amino acid 1-72 of rat KC as an immunogen. To achieve best results, titrate antibody by dilution for each application:

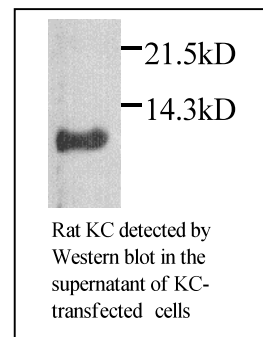
Western blot (1:2,000-1:5,000)

Immunoprecipitation (1:300-1:800)

Cross reactivity to fractalkine of other species has not been determined.

Storage Condition: 4°C for short term storage or -20°C in small aliquots for long term storage. Avoid repeated freeze and thaw.

Background: KC, a homolog of human and hamster *gro*/MGSA, is a 72-amino acid CXC chemokine originally cloned from rat macrophages and lung tissue. It is the mediator for recruitment and activation of neutrophils in rat lung inflammation models. Expression of KC



can be upregulated by LPS and IL-1 β stimulation. IFN-gamma blocks LPS-induced expression of KC.

References:

1. Huang, S. et al. (1992) Rat KC cDNA cloning and mRNA expression in lung macrophages and fibroblasts. *Biochem Biophys Res Commun* 184:922-929
2. Frevert, C.W. et al. (1995) Functional characterization of the rat chemokine KC and its importance in neutrophil recruitment in a rat model of pulmonary inflammation. *J Immunol* 154:335-344.
3. Ohmori, Y and Hamilton T.A. (1994) IFN-gamma selectively inhibits lipopolysaccharide-inducible JE/monocyte chemoattractant protein-1 and KC/GRO/melanoma growth-stimulating activity gene expression in mouse peritoneal macrophages. *J Immunol* 153:2204-2212