Purified Rabbit Anti-rat MDC

**Catalog Number:** TP238  
**Lot Number:** 110819  
**Content:** Protein A purified rabbit IgG, 200 µg, with 0.1% sodium azide, lyophilized.

(Reconstitute to 1 mg/ml by adding 200 µl H₂O)

**Product Description and Usage:** For research use only. This polyclonal antibody, which reacts with rat MDC, was generated using *E. coli*-expressed rat MDC as an immunogen. The tested titer for Western blot is 1:2,000.

Cross-reactivity to MDC 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:** MDC (macrophage-derived chemokine) is a 69-amino acid CC chemokine with an NH₂-terminal sequence of 24 residues as a signal sequence. It was originally cloned from human monocyte-derived macrophages¹. Recombinant MDC attracts monocyte-derived dendritic cells, activated lymphocytes and natural killer cells¹². MDC has anti-HIV-1 activity³. Expression of MDC mRNA in macrophages is enhanced by LPS, IL-1β and TNFα³. MDC is a functional ligand for CCR4⁴.

**References:**

2. Pal, R. et al. (1997) Inhibition of HIV-1 infection by the beta-chemokine MDC. *Science* 278:695-698