

Anti-Human MDC Polyclonal Antibody

CATALOG #: 5454-100

LOT #: _____

IMMUNOGEN: *E. coli*-expressed human MDC

HOST: Rabbit

FORMULATION:

100 µg (0.5 mg/ml) purified rabbit anti-human MDC polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA, 0.02% sodium azide.

SPECIES REACTIVITY: human

STORAGE CONDITIONS:

Store at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

BACKGROUND DESCRIPTION:

MDC (macrophage-derived chemokine) is a 69-amino acid CC chemokine with a N-terminal sequence of 24 residues as a signal sequence. It was originally cloned from human monocyte-derived macrophages. Recombinant MDC attracts monocyte-derived dendritic cells, activated lymphocytes and natural killer cells. MDC has anti-HIV-1 activity. Expression of MDC mRNA in macrophages is enhanced by LPS, IL-1β and TNFα. MDC is a functional ligand for CCR4.

APPLICATION:

The antibody can be used for Western blot analysis (0.5-1 µg/ml) and ELISA (2-3 µg/ml). However, the optimal conditions should be determined individually.

REFERENCES:

1. Godiska, R., *et al.* (1997) *J. Exp. Med.* **185**:1595-1604.
2. Pal, R., *et al.* (1997) *Science* **278**:695-698.

For Research Use Only! Not to be used in human.

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