

## TECHNICAL DATA SHEET

### Purified Rabbit Anti-rat MIP-2

**Catalog Number:** TP208

**Lot Number:** 042814

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

(Reconstitute to 1 mg/ml by adding 500 µl H<sub>2</sub>O)

**Product Description and Usage:** For research use only. This neutralizing polyclonal antibody, which reacts with both mouse and rat MIP-2, was generated using *E. coli*-expressed amino acid 1-69 of mature rat MIP-2 as an immunogen. The tested titer for Western blot is 1:2,000; for immunoprecipitation is 1:500.

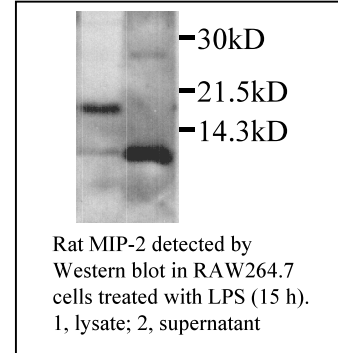
Cross-reactivity to MIP-2 of other species has not been determined.

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

**Background:** Rat MIP-2 (macrophage inflammatory protein-2) is a 69-amino acid CXC chemokine originally cloned from LPS-stimulated rat lung<sup>1</sup>. MIP-2 is induced during acute inflammation in rat models of disease. It is a potent neutrophil chemotactic factor both in vitro and in vivo<sup>2,3,4,5</sup>.

#### References:

1. Dreiscoll, K.E. et al. (1995) Cloning, expression, and functional characterization of rat MIP-2: a neutrophil chemoattractant and epithelial cell mitogen. *J Leukoc Biol* 58:359-364
2. Wolpe, S.D. et al. (1989) Macrophage inflammatory proteins 1 and 2: members of a novel superfamily of cytokines. *FASEB J.* 3: 2565-2573. Review
3. Sherry, B. et al. (1992) Macrophage inflammatory proteins 1 and 2: an overview. *Cytokines* 4:117-130
4. Feng, L. et al. (1995) Modulation of neutrophil influx in glomerulonephritis in the rat with anti-macrophage inflammatory protein-2 (MIP-2) antibody. *J Clin Invest* 95: (1009-1017)
5. Frevert, C.W. et al. (1995) Functional characterization of rat chemokine macrophage inflammatory protein 2. *Inflammation* 19: 133-142



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