

## Purified Rabbit Anti-rat Mpg-1

**Catalog Number:** TP252

**Lot Number:** 030119

**Content:** Protein A purified rabbit IgG, 200 µg, with 0.1% sodium azide, lyophilized.

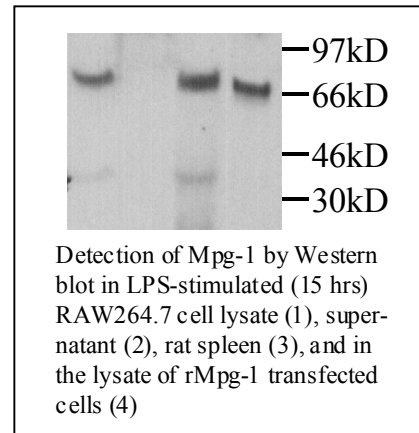
(Reconstitute by adding 200 µl PBS)

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

Cross-reactivity to Mpg-1 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:** Mpg-1 (macrophage-specific gene, MSG, MPS1) is originally cloned from a macrophage cDNA library. Transcripts of Mpg-1 are found at a high level in mature human and murine macrophages and at a moderate level in certain myelomonocytic cell lines. Mpg-1-specific transcript was not detected in a wide variety of other tissues and cell lines. The predicted 669-amino acid Mpg-1-encoded protein



has potential glycosylation and phosphorylation sites in addition to a signal sequence. The predicted molecular weight of the core protein is 71 to 74 kDa. Mpg-1 may share a distant ancestry to perforin. The function of Mpg-1 is unknown.

### References:

1. Spilsbury, K. et al. (1995) Isolation of a novel macrophage-specific gene by differential cDNA analysis. *Blood* 85: 1620-1629