

## Myeloperoxidase (MPO) Polyclonal Antibody

**CATALOG NO:** 3831-30T 30 µg (Trial size)  
3831-100 100 µg

**HOST:** Rabbit

**IMMUNOGEN:** Synthetic peptide surrounding amino acid 765 of human MPO (Internal ID# BV-952).

**SPECIES REACTIVITY:** Human, Mouse, Rat

### FORMULATION:

0.5 mg/ml affinity purified rabbit anti-MPO polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.01% thimerosal.

### STORAGE CONDITIONS:

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

### BACKGROUND:

Myeloperoxidase (MPO) is highly expressed in neutrophils and polymorphonuclear leukocytes. MPO is expressed as a dimer in regular neutrophils with a 140kDa. The glycosylated form of MPO has a molecular weight of 92kDa and when undergoes a final glycosylation, MPO forms subunits of 60kDa and 12kDa. In recent studies, MPO was shown to be involved in the initiation and progression of cardiovascular disease.

### SPECIFICITY:

The antibody recognizes 60-100 kDa MPO from samples of human, mouse, and rat origins. Reactivity to other species has not been tested.

### APPLICATION:

The antibody can be used in Western blotting (0.5-4 µg/ml). However, the optimal concentrations should be determined individually. Blocking peptide (Cat. # 3831BP-50) is available separately.



**FOR RESEARCH USE ONLY! Not to be used on humans.**

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- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

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- Membrane Protein Extraction Kit
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