

# Myeloperoxidase (MPO) Rabbit pAb

Catalog No.: A1374 **25 Publications**

## Basic Information

### Observed MW

60kDa

### Calculated MW

84kDa

### Category

Primary antibody

### Applications

ELISA,IF/ICC

### Cross-Reactivity

Mouse, Rat

## Background

Myeloperoxidase (MPO) is a heme protein synthesized during myeloid differentiation that constitutes the major component of neutrophil azurophilic granules. Produced as a single chain precursor, myeloperoxidase is subsequently cleaved into a light and heavy chain. The mature myeloperoxidase is a tetramer composed of 2 light chains and 2 heavy chains. This enzyme produces hypohalous acids central to the microbicidal activity of neutrophils.

## Recommended Dilutions

IF/ICC 1:50 - 1:200

## Immunogen Information

### Gene ID

4353

### Swiss Prot

P05164

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 606-745 of human Myeloperoxidase (MPO) (NP\_000241.1).

### Synonyms

MPO; Myeloperoxidase (MPO)

## Contact

 | 400-999-6126

 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

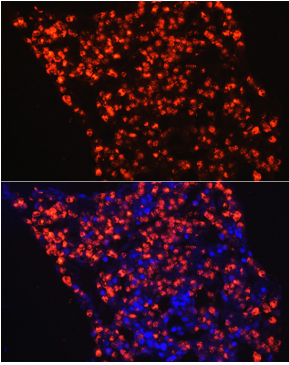
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

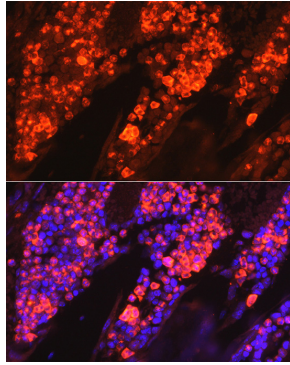
Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

## Validation Data

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Immunofluorescence analysis of rat bone marrow using Myeloperoxidase (MPO) Rabbit pAb (A1374) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of mouse bone marrow using Myeloperoxidase (MPO) Rabbit pAb (A1374) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.