

## Myeloperoxidase (MPO) (AB2473) mouse mAb

W0226

### Key Features

#### Host Species

- Mouse

#### Reactivity

- Human; Mouse; Rat;

#### Applications

- IHC; WB; IF; ELISA

#### MW

- 84 kDa (calculated)
- 70 kDa (observed)

#### Isotype

- IgG

### Recommended Dilution Ratios

#### Application

IHC; WB; IF; ELISA

#### Dilution

IHC, 1:200-1:1000 | WB, 1:500-1:2000 | IF, 1:100-1:500 | ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

### Storage

#### Storage Conditions

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

#### Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

### Basic Information

|               |                                                                                                            |
|---------------|------------------------------------------------------------------------------------------------------------|
| Clonality     | Monoclonal                                                                                                 |
| Clone Number  | AB2473                                                                                                     |
| Immunogen     | A synthetic peptide corresponding to the amino acid region 350 - 450 of the human Myeloperoxidase protein. |
| Specificity   | This antibody detects endogenous levels of MPO protein.                                                    |
| Purification  | Affinity purification Protein A                                                                            |
| Concentration | Product concentration may vary by batch. Please refer to the product COA for details.                      |

### Target Information

|               |                 |             |         |
|---------------|-----------------|-------------|---------|
| Gene name     | MPO             |             |         |
| Protein Name  | Myeloperoxidase |             |         |
| Database Link | Organism        | Swiss Prot. | Gene ID |
|               | Human           | P05164      | 4353    |

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. [provided by RefSeq, Nov 2014] |
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