

## Myeloperoxidase Mouse Monoclonal Antibody(Mix-mA)

Catalog TDY1031C TDY1031F

Tel: 010-80117836

Quantity 50 $\mu$ L 100 $\mu$ L

Web: [www.tdybio.com](http://www.tdybio.com)

Entrez-Gene ID#4353 , Swiss-Prot Acc.#P05164

**For research use only.**

Applications	Species	Cross-Reactivity	Molecular Weight	Isotype
WB,IHC		H,M,R	60,80-90KD	IgG1

**Storage Buffer & Condition:** PBS, pH 7.4, containing 0.02% **sodium azide** as Preservative and 50% Glycerol.  
Store at **-20°C. Do not aliquot the antibody.**

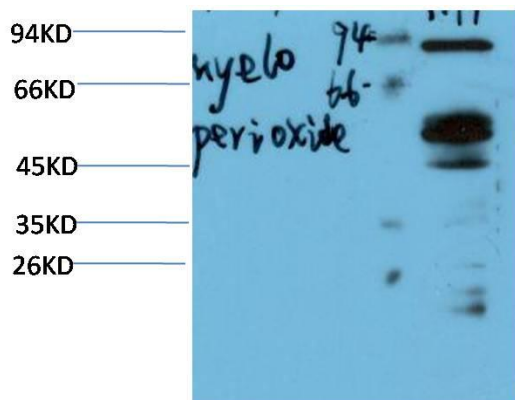
**Recommended dilutions:**WB: 1:2,000-5,000 IHC:1:50-200

**Optimal dilutions should be determined by the end user.**

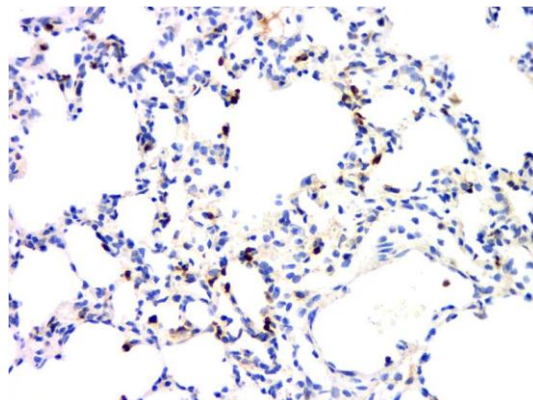
**Specificity:**Antibody can detects endogenous Myeloperoxidase proteins.

**Alternative Names:**MPO,Myeloperoxidase heavy chain,Myeloperoxidase light chain,MPX,Myeloid-specific peroxidase

**Background:** Myeloperoxidase(MPO) Homo sapiens 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.



Western blot analysis of Mouse Liver Tissue Lysate using Myeloperoxidase (TDY1031) Mouse mAb diluted at 1:2,000.



Immunohistochemical analysis of paraffin-embedded Human Lung Tissue using Myeloperoxidase (TDY1031) Mouse Monoclonal antibody diluted at 1:200.