

Myeloperoxidase(MPO) (PTR2562) Mouse mAb

CatalogNo: YM4746

Key Features

Host Species

- Mouse

Reactivity

- Human,Mouse,Rat,

Applications

- IHC,WB,IF,ELISA

MW

- 84kD (Calculated)
70kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

IHC 1:200-1000

WB 1:500-2000

IF 1:100-500

ELISA 1:1000-5000

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Formulation PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA

Basic Information

Clonality Monoclonal

Clone Number PTR2562

Immunogen Information

Immunogen Synthesized peptide derived from human Myeloperoxidase(MPO) AA range: 350-450

Specificity This antibody detects endogenous levels of MPO protein.

| Target Information

Gene name MPO

Protein Name Myeloperoxidase

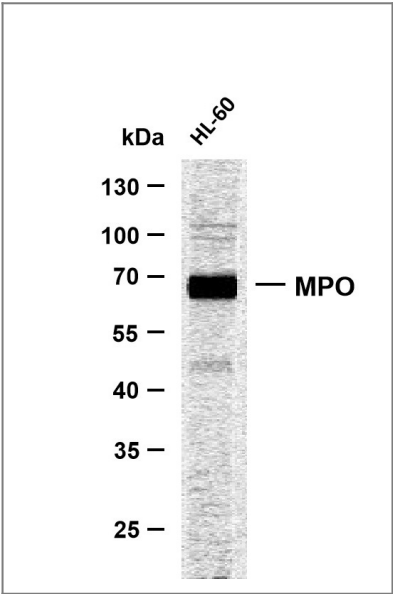
Organism	Gene ID	UniProt ID
Human	4353 ;	P05164 ;
Mouse	17523 ;	P11247 ;
Rat		D3ZGE2 ;

Cellular Localization Cytoplasmic

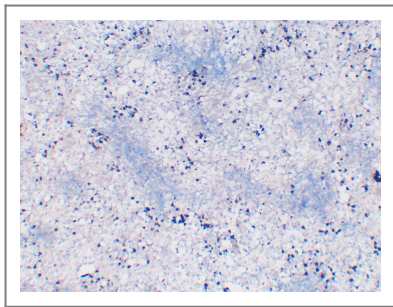
Tissue specificity Leukemia,Leukocyte,Liver,Plasma,Saliva

Function Part of the host defense system of polymorphonuclear leukocytes. It is responsible for microbicidal activity against a wide range of organisms. In the stimulated PMN, MPO catalyzes the production of hypohalous acids, primarily hypochlorous acid in physiologic situations, and other toxic intermediates that greatly enhance PMN microbicidal activity (PubMed:9922160). Mediates the proteolytic cleavage of alpha-1-microglobulin to form t-alpha-1-microglobulin, which potently inhibits oxidation of low-density lipoprotein particles and limits vascular damage (PubMed:25698971).

| Validation Data



Various whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti-MPO (PTR2562) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: HL-60 Lane 2: MDA-MB-231



Mouse spleen tissue was stained with anti-Myeloperoxidase (PTR2562) Antibody

| Contact information

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**Myeloperoxidase(MPO)
(PTR2562) Mouse mAb**

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