Leader in Biomolecular Solutions for Life Science

www.abclonal.com

Myeloperoxidase (MPO) Rabbit mAb

Catalog No.: A22900 Recombinant 1 Publications

Basic Information

Observed MW
60 kDa/80-90 kDa

Calculated MW
84 kDa

Category
Primary antibody

Applications
WB,IF/ICC,IF-P,IHC-P,ELISA

Cross-Reactivity
Human, Mouse, Rat

CloneNo number
ARC3177

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

WB	1:3000 - 1:10000
IF/ICC	1:50 - 1:200
IF-P	1:50 - 1:200
IHC-P	1:5000 - 1:20000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
4353

Swiss Prot
P05164

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
MPO; myeloperoxidase; Myeloperoxidase (MPO)

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Product Information

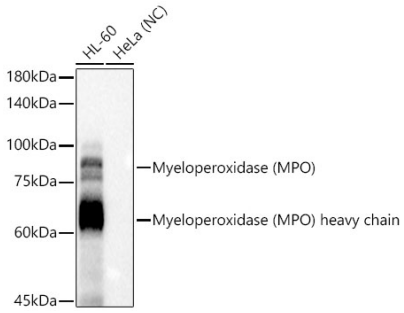
Source
Rabbit

Isotype
IgG

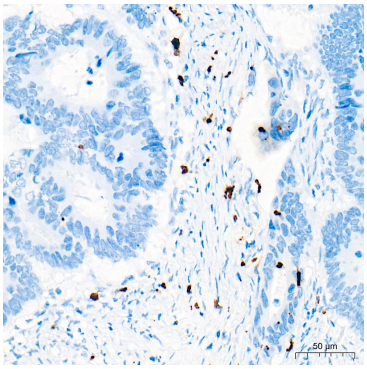
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,40% glycerol,pH7.2.

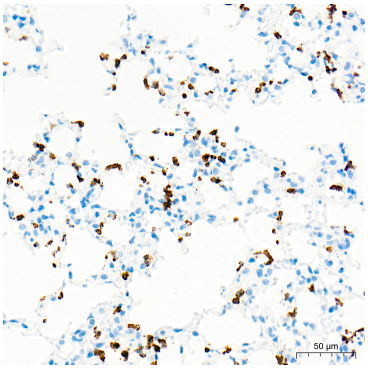
Validation Data



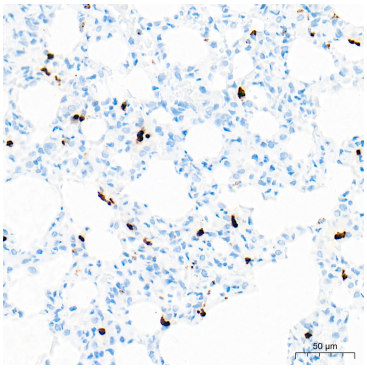
Western blot analysis of lysates from HL-60 cells using Myeloperoxidase (MPO) Rabbit mAb (A22900) at 1:10000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC):HeLa
Exposure time: 30s.



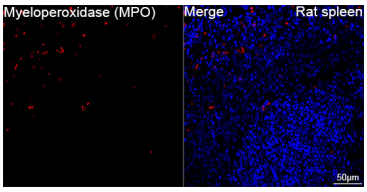
Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using Myeloperoxidase (MPO) Rabbit mAb (A22900) at a dilution of 1:6000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



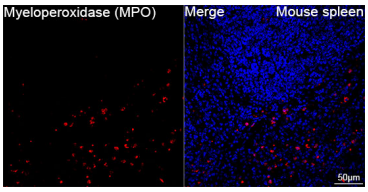
Immunohistochemistry analysis of paraffin-embedded Mouse lung tissue using Myeloperoxidase (MPO) Rabbit mAb (A22900) at a dilution of 1:6000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



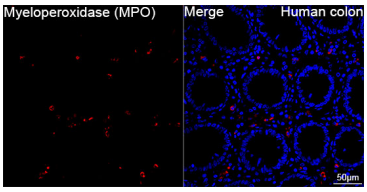
Immunohistochemistry analysis of paraffin-embedded Rat lung tissue using Myeloperoxidase (MPO) Rabbit mAb (A22900) at a dilution of 1:6000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Confocal imaging of paraffin-embedded Rat spleen tissue using Myeloperoxidase (MPO) Rabbit mAb (A22900, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

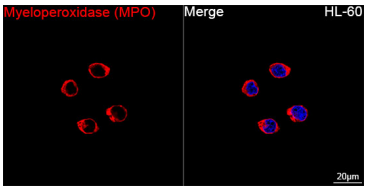


Confocal imaging of paraffin-embedded Mouse spleen tissue using Myeloperoxidase (MPO) Rabbit mAb (A22900, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



Confocal imaging of paraffin-embedded Human colon tissue using Myeloperoxidase (MPO) Rabbit mAb (A22900, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

Validation Data



Confocal imaging of HL-60 cells using Myeloperoxidase (MPO) Rabbit mAb (A22900, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.