

Myeloperoxidase (MPO) Rabbit mAb

Catalog No.: A22900

Recombinant

3 Publications

Basic Information

Observed MW

60 kDa/80-90 kDa

Calculated MW

84 kDa

Category

Monoclonal Antibodies

Applications

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

Cross Reactivity

Human, Mouse, Rat

Clone No.

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**mIHC** 1:3000 - 1:12000**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

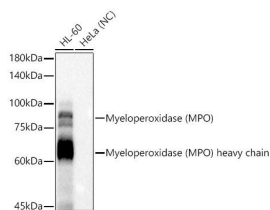
Purity

Affinity purification

Storage

Store at -20°C

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.

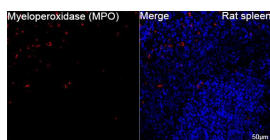
Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Negative control (NC):HeLa

Exposure time: 30s.



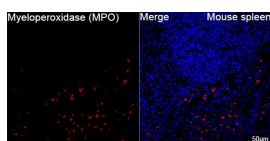
Confocal imaging of paraffin-embedded Rat spleen tissue using Myeloperoxidase

(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.



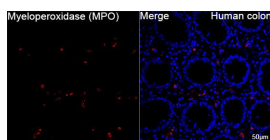
Confocal imaging of paraffin-embedded Mouse spleen tissue using Myeloperoxidase

(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.



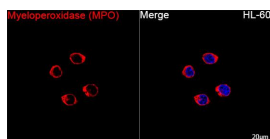
Confocal imaging of paraffin-embedded Human colon tissue using Myeloperoxidase

(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.

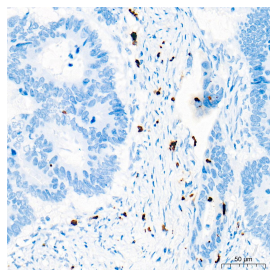


Confocal imaging of HL-60 cells using Myeloperoxidase (MPO) Rabbit mAb (A22900,

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.

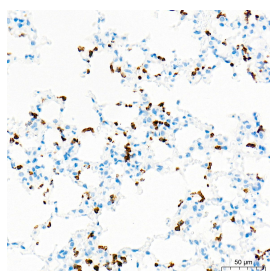


Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma

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.

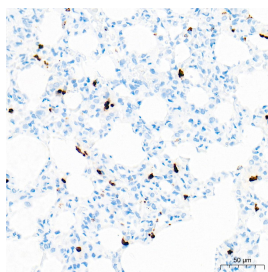


Immunohistochemistry analysis of paraffin-embedded Mouse lung tissue using

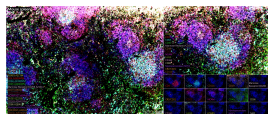
Myeloperoxidase (MPO) Rabbit mAb (A22900) at a dilution of 1:6000 (40x lens).

High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to

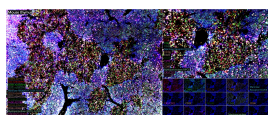
IHC staining.



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.



The multiplex IHC analysis on paraffin-embedded Mouse spleen tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : FXP3 Rabbit mAb (A27744, 1:600) with TSA-TYR-520 (Yellow), and CD4 Rabbit PolymAb® (A26036PM, 1:400) with TSA-TYR-570 (Red), and CD8A Rabbit PolymAb® (A23305PM, 1:1000) with TSA-TYR-620 (Cyan), and CD45 Rabbit PolymAb® (A24802PM, 1:1000) with TSA-TYR-690 (Green), and Mannose Receptor/CD206 Rabbit mAb (A21014, 1:200) with TSA-TYR-480 (Light Pink), and CD19 Rabbit mAb (A26042, 1:2000) with TSA-TYR-520 (Golden Orange), and CD22 Rabbit PolymAb® (A26417PM, 1:200) with TSA-TYR-570 (Magenta), and CD86 Rabbit mAb (A29061, 1:1500) with TSA-TYR-620 (Yellow), and F4/80 Rabbit mAb (A23788, 1:500) with TSA-TYR-690 (Yellow-Green), and CD163 Rabbit PolymAb® (A26411PM, 1:20000) with TSA-TYR-480 (Pale Pink), and NCAM Rabbit PolymAb® (A27193PM, 1:5000) with TSA-TYR-520 (Bright Magenta), and Myeloperoxidase (MPO) Rabbit mAb (A22900, 1:6000) with TSA-TYR-570 (Purple), and CR2/CD21 Rabbit mAb (A23512, 1:5000) with TSA-TYR-620 (Amber), and CD11b Rabbit PolymAb® (A26754PM, 1:400) with TSA-TYR-690 (Orange). DAPI (White) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 40x objective lens.



The multiplex IHC analysis on paraffin-embedded Mouse thymus tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : FXP3 Rabbit mAb (A27744, 1:600) with TSA-TYR-520 (Amber), and CD4 Rabbit PolymAb® (A26036PM, 1:400) with TSA-TYR-570 (Red), and CD8A Rabbit PolymAb® (A23305PM, 1:1000) with TSA-TYR-620 (Bright Green), and CD45 Rabbit PolymAb® (A24802PM, 1:1000) with TSA-TYR-690 (Green), and Mannose Receptor/CD206 Rabbit mAb (A21014, 1:200) with TSA-TYR-480 (Cyan), and CD19 Rabbit mAb (A26042, 1:2000) with TSA-TYR-520 (Golden Orange), and CD22 Rabbit PolymAb® (A26417PM, 1:200) with TSA-TYR-570 (White), and CD86 Rabbit mAb (A29061, 1:1500) with TSA-TYR-620 (Pink), and F4/80 Rabbit mAb (A23788, 1:500) with TSA-TYR-690 (Magenta), and CD163 Rabbit PolymAb® (A26411PM, 1:20000) with TSA-TYR-480 (Pale Pink), and NCAM Rabbit PolymAb® (A27193PM, 1:5000) with TSA-TYR-520 (Green), and Myeloperoxidase (MPO) Rabbit mAb (A22900, 1:6000) with TSA-TYR-570 (Pale Green), and CR2/CD21 Rabbit mAb (A23512, 1:5000) with TSA-TYR-620 (Bright Magenta), and CD11b Rabbit PolymAb® (A26754PM, 1:400) with TSA-TYR-690 (Light Pink). DAPI (White) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 10x objective lens.