

Datasheet for ABIN969301

**anti-Myeloperoxidase antibody (AA 1-193)**[1 Image](#)[1 Publication](#)[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	Myeloperoxidase (MPO)
Binding Specificity:	AA 1-193
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Myeloperoxidase antibody is un-conjugated
Application:	ELISA

## Product Details

Purpose:	Myeloperoxidase Antibody
Immunogen:	Purified recombinant fragment of MPO (aa1-193) expressed in E. Coli.
Clone:	9B12G7
Isotype:	IgG1
Purification:	Ascitic fluid

## Target Details

Target:	Myeloperoxidase (MPO)
Alternative Name:	Myeloperoxidase ( <a href="#">MPO Products</a> )
Background:	Description: Myeloperoxidase (MPO) is a heme protein synthesized during myeloid

## Target Details

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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.

Aliases: MPO,myeloperoxidase

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Gene ID: 4353

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HGNC: 4353

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UniProt: [P05164](#)

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Pathways: [Chromatin Binding](#)

## Application Details

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Application Notes: ELISA: 1/10000

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

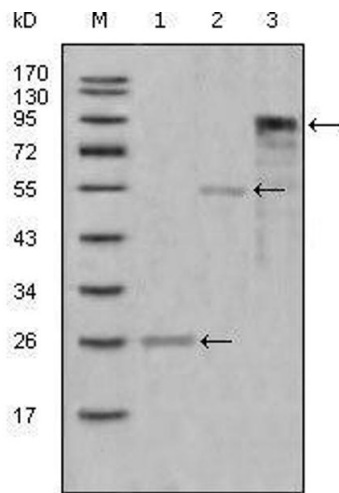
Storage: 4 °C,-20 °C

Storage Comment: Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Publications

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Product cited in: Oliveira, Petrilli, Tavela, Zago, de Toledo: "TNF-alpha, TNF-beta, IL-6, IL-10, PECAM-1 and the MPO inflammatory gene polymorphisms in osteosarcoma." in: **Journal of pediatric hematology/oncology**, Vol. 29, Issue 5, pp. 293-7, (2007) ([PubMed](#)).



### Western Blotting

**Image 1.** Western blot analysis using MPO mouse mAb against truncated Trx-MPO recombinant protein (1), truncated MBP-MPO (aa1-193) recombinant protein (2) and truncated MPO(aa165-745)-hIgGFc transfected CHO-K1 cell lysate(3).