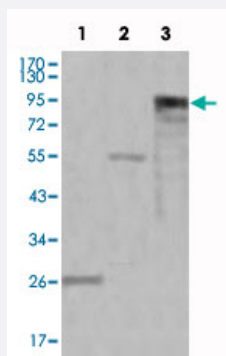


# MPO monoclonal antibody, clone 9B12G7

Catalog # MAB10590      Size 100 uL

## Applications



### Western Blot

Western blot analysis using MPO monoclonal antibody, clone 9B12G7 (Cat # MAB10590) against truncated Trx-MPO recombinant protein (1) ,truncated MBP-MPO (aa 1-193) recombinant protein (2) and truncated MPO (aa 165-745) -hlgGfc transfected CHO-K1 cell lysate (3) .

## Specification

|                            |                                                                                                                      |
|----------------------------|----------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Mouse monoclonal antibody raised against partial recombinant MPO.                                                    |
| <b>Immunogen</b>           | Recombinant protein corresponding to amino acids 1-193 of human MPO.                                                 |
| <b>Host</b>                | Mouse                                                                                                                |
| <b>Reactivity</b>          | Human                                                                                                                |
| <b>Form</b>                | Liquid                                                                                                               |
| <b>Isotype</b>             | IgG1                                                                                                                 |
| <b>Recommend Usage</b>     | ELISA (1:10000)<br>Western Blot (1:500-1:2000)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>      | In ascites (0.03% sodium azide)                                                                                      |
| <b>Storage Instruction</b> | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.               |

## Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot

Western blot analysis using MPO monoclonal antibody, clone 9B12G7 (Cat # MAB10590) against truncated Trx-MPO recombinant protein (1), truncated MBP-MPO (aa 1-193) recombinant protein (2) and truncated MPO (aa 165-745) -hlgGFc transfected CHO-K1 cell lysate (3).

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — MPO

|               |                      |
|---------------|----------------------|
| Entrez GeneID | <a href="#">4353</a> |
|---------------|----------------------|

|           |     |
|-----------|-----|
| Gene Name | MPO |
|-----------|-----|

|            |   |
|------------|---|
| Gene Alias | - |
|------------|---|

|                  |                 |
|------------------|-----------------|
| Gene Description | myeloperoxidase |
|------------------|-----------------|

|         |                                                                      |
|---------|----------------------------------------------------------------------|
| Omim ID | <a href="#">104300</a> <a href="#">254600</a> <a href="#">606989</a> |
|---------|----------------------------------------------------------------------|

|               |                           |
|---------------|---------------------------|
| Gene Ontology | <a href="#">Hyperlink</a> |
|---------------|---------------------------|

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Summary | 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. [provided by RefSeq] |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                    |   |
|--------------------|---|
| Other Designations | - |
|--------------------|---|

## Disease

- [Absenteeism](#)
- [Acquired Immunodeficiency Syndrome](#)
- [Acute Disease](#)
- [Adenocarcinoma](#)

- [Aggressive Periodontitis](#)
- [Agranulocytosis](#)
- [Alzheimer disease](#)
- [Arsenic Poisoning](#)
- [Arteriosclerosis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Atrophy](#)
- [Autoimmune Diseases](#)
- [Behcet Syndrome](#)
- [Biliary Tract Neoplasms](#)
- [Birth Weight](#)
- [Brain Infarction](#)
- [Brain Ischemia](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchial Hyperreactivity](#)
- [Bronchitis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Cerebrovascular Accident](#)
- [Chlamydia Infections](#)
- [Chromosome Aberrations](#)

- [Chronic Disease](#)
- [Chronic Periodontitis](#)
- [Churg-Strauss Syndrome](#)
- [Cocarcinogenesis](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Delayed Graft Function](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [DNA Damage](#)
- [Drug Hypersensitivity](#)
- [Duodenal Ulcer](#)
- [Edema](#)
- [Endometriosis](#)
- [Esophageal Neoplasms](#)
- [Eye Diseases](#)
- [Gastritis](#)
- [Gender Identity](#)
- [Genetic Predisposition to Disease](#)
- [Giant Cell Arteritis](#)

- [Glioblastoma](#)
- [Glioma](#)
- [Glomerulonephritis](#)
- [Gram-Negative Bacterial Infections](#)
- [Head and Neck Neoplasms](#)
- [Helicobacter Infections](#)
- [Hemochromatosis](#)
- [Hemorrhage](#)
- [Hepatitis C](#)
- [Hepatoblastoma](#)
- [Hereditary hemochromatosis](#)
- [Hypersensitivity](#)
- [Infection](#)
- [Inflammation](#)
- [Intestinal Neoplasms](#)
- [Ischemia](#)
- [Keratoses](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Laryngeal Neoplasms](#)
- [Leiomyoma](#)
- [Leukemia](#)
- [Liver Cirrhosis](#)
- [Liver Neoplasms](#)
- [Lung carcinoma](#)
- [Lung Neoplasms](#)

- [Lupus Erythematosus](#)
- [Lymphoma](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Metabolic Syndrome X](#)
- [Metaplasia](#)
- [Micronuclei](#)
- [Mouth Neoplasms](#)
- [Multiple Myeloma](#)
- [Multiple Sclerosis](#)
- [Myocardial Infarction](#)
- [Narcolepsy](#)
- [Neoplasms](#)
- [Obesity](#)
- [Occupational Diseases](#)
- [Oropharyngeal Neoplasms](#)
- [Osteoporosis](#)
- [Osteosarcoma](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Papillomavirus Infections](#)
- [Pelvic Inflammatory Disease](#)
- [Peptic Ulcer](#)
- [Periodontal Diseases](#)

- [Pharyngeal Neoplasms](#)
- [Pneumonia](#)
- [Polymyalgia Rheumatica](#)
- [Postoperative Complications](#)
- [Precancerous Conditions](#)
- [Pre-Eclampsia](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Pulmonary Emphysema](#)
- [Recurrence](#)
- [Respiratory Tract Diseases](#)
- [Rhinitis](#)
- [Schizophrenia](#)
- [Sepsis](#)
- [Stomach Diseases](#)
- [Stomach Neoplasms](#)
- [Stroke](#)
- [Substance-Related Disorders](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Uterine Neoplasms](#)
- [Vasculitis](#)
- [Ventricular Dysfunction](#)
- [Vitiligo](#)
- [Wegener Granulomatosis](#)

- [Werner syndrome](#)