

Product datasheet

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ARG66954 anti-MPO / Myeloperoxidase antibody

Package: 100 μl Store at: -20°C

Summary

Product Description Mouse Polyclonal antibody recognizes MPO / Myeloperoxidase

Tested Reactivity Hu, Ms

Tested Application IHC-P

Host Mouse

Clonality Polyclonal

Isotype IgG

Target Name MPO / Myeloperoxidase

Species Human

Immunogen Synthetic peptide of Human MPO / Myeloperoxidase.

Conjugation Un-conjugated

Alternate Names MPO; Myeloperoxidase; EC 1.11.2.2; 89 kDa myeloperoxidase; 84 kDa myeloperoxidase;

Myeloperoxidase light chain; Myeloperoxidase heavy chain

Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:200
Application Note	st The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Human Lung	

Properties

Form Liquid

Purification Affinity purification with immunogen.

Buffer PBS, 0.02% Sodium azide, 50% Glycerol and 0.5% BSA.

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol and 0.5% BSA

Concentration 1 mg/ml

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol MPO

Gene Full Name myeloperoxidase

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. [provided by RefSeq, Nov 2014]

Function Myeloperoxidase (MPO): 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. [UniProt]

Highlight Related Antibody Duos and Panels:

ARG30325 Inflammatory Cell Antibody Panel

Related products:

Lysosome. [UniProt]

MPO antibodies; MPO ELISA Kits; MPO Duos / Panels; Anti-Mouse IgG secondary antibodies;

Related news:

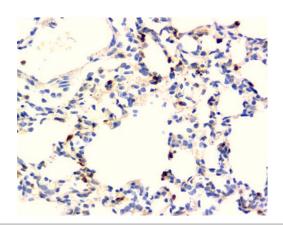
Exploring Antiviral Immune Response

Research Area Inflammatory Cell Marker antibody; Neurophil Marker antibody

Calculated Mw 60 kDa, 84 kDa, 89 kDa

Cellular Localization





ARG66954 anti-MPO / Myeloperoxidase antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung tissue stained with ARG66954 anti-MPO / Myeloperoxidase antibody at 1:200 dilution (4°C, overnight).