

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	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Human Lung	

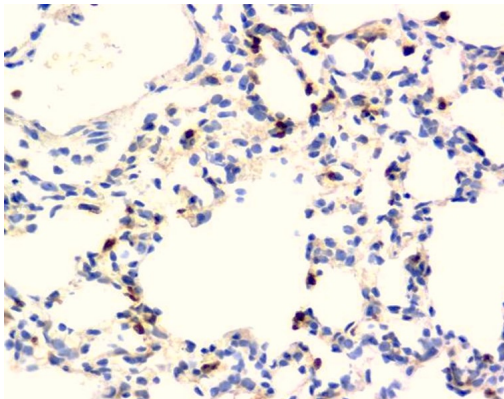
Properties

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: 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; Neutrophil Marker antibody
Calculated Mw	60 kDa, 84 kDa, 89 kDa
Cellular Localization	Lysosome. [UniProt]

Images



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).