

ARG43749
anti-MPO / Myeloperoxidase antibody [rMPO/6904]Package: 50 µg
Store at: -20°C

Summary

Product Description	Recombinant Mouse Monoclonal antibody [rMPO/6904] recognizes MPO / Myeloperoxidase
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Clone	rMPO/6904
Isotype	IgG1
Target Name	MPO / Myeloperoxidase
Species	Human
Immunogen	Synthetic peptide within aa. 150-250 of Human MPO / Myeloperoxidase.
Conjugation	Un-conjugated
Alternate Names	MPO; Myeloperoxidase; EC 1.11.2.2

Application Instructions

Application table	Application	Dilution
	IHC-P	1 - 2 µg/ml
	WB	1 - 5 µg/ml
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Human spleen; bone marrow	
Observed Size	84 kDa	

Properties

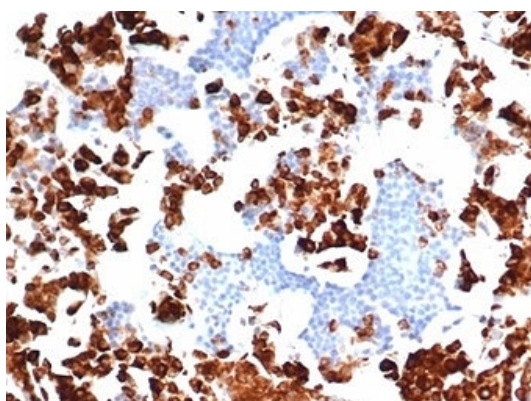
Form	Liquid
Purification	Purification with Protein A/G affinity.
Buffer	PBS, 0.05% Sodium azide and 0.1 mg/ml BSA.
Preservative	0.05% Sodium azide
Stabilizer	0.1 mg/ml BSA
Concentration	0.2 mg/ml

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 or below. 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	<p>Related Antibody Duos and Panels: ARG30197 MPO ELISA Antibody Duo</p> <p>Related products: MPO antibodies; MPO ELISA Kits; MPO Duos / Panels; Anti-Mouse IgG secondary antibodies;</p> <p>Related news: Exploring Antiviral Immune Response</p>
Research Area	Inflammatory Cell Marker antibody; Neutrophil Marker antibody
Calculated Mw	60 kDa, 84 kDa, 89 kDa
Cellular Localization	Lysosome. [UniProt]

Images



ARG43749 anti-MPO / Myeloperoxidase antibody [rMPO/6904] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human bone marrow. Antigen Retrieval: Boil tissue section in 10 mM Tris with 1 mM EDTA (pH 9.0) for 20 min, followed by cooling at RT. The tissue section was stained with ARG43749 anti-MPO / Myeloperoxidase antibody [rMPO/6904].



ARG43749 anti-MPO / Myeloperoxidase antibody [rMPO/6904] WB image

Western blot: Human spleen lysate stained with ARG43749 anti-MPO / Myeloperoxidase antibody [rMPO/6904].