

ARG23236 anti-MPO / Myeloperoxidase antibody [2C7]

Package: 100 μg Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [2C7] recognizes MPO / Myeloperoxidase
Tested Reactivity	Hu
Species Does Not React With	Rat
Tested Application	ELISA, FACS, ICC/IF, IHC-Fr, IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Clone	2C7
lsotype	lgG1
Target Name	MPO / Myeloperoxidase
Species	Human
Immunogen	Human myeloperoxidase.
Conjugation	Un-conjugated
Alternate Names	MPO; Myeloperoxidase; EC 1.11.2.2

Application Instructions

Application table	Application	Dilution
	ELISA	Assay-dependent
	FACS	1:50 - 1:100
	ICC/IF	Assay-dependent (Fixed with Acetone, EtOH or Methanol/acetone 70:30)
	IHC-Fr	1:1000 - 1:5000
	IHC-P	1:500 - 1:1000
	WB	Assay-dependent (under non-reducing conditions)
Application Note	FACS: Membrane permeabilisation WB: This product recognises myee * The dilutions indicate recomment should be determined by the scie	on is required for this application. eloperoxidase under non-reducing conditions. ended starting dilutions and the optimal dilutions or concentrations entist.

Properties

Form	Liquid
Purification	Purification with Protein A.

Buffer	PBS and 0.09% Sodium azide.
Preservative	0.09% Sodium azide
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 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	Related products: <u>MPO antibodies;</u> <u>MPO ELISA Kits;</u> <u>MPO Duos / Panels;</u> <u>Anti-Mouse IgG secondary antibodies;</u> Related news: <u>Exploring Antiviral Immune Response</u>
Research Area	Inflammatory Cell Marker antibody; Neurophil Marker antibody
Calculated Mw	84 kDa

Images



ARG23236 anti-MPO / Myeloperoxidase antibody [2C7] FACS image

Flow Cytometry: Human peripheral blood granulocytes stained with ARG23236 anti-MPO / Myeloperoxidase antibody [2C7] following permeabilisation.

ARG23236 anti-MPO / Myeloperoxidase antibody [2C7] IHC-P image



Immunohistochemistry: Formalin fixed, paraffin-embedded Human bone marrow tissue stained with ARG23236 anti-MPO / Myeloperoxidase antibody [2C7].