

## ARG23238 anti-MPO / Myeloperoxidase antibody [2C7] (PE)

Package: 50 tests

Store at: 4°C

### Summary

Product Description	PE-conjugated Mouse Monoclonal antibody [2C7] recognizes MPO / Myeloperoxidase
Tested Reactivity	Hu
Species Does Not React With	Rat
Tested Application	FACS
Host	Mouse
Clonality	Monoclonal
Clone	2C7
Isotype	IgG1
Target Name	MPO / Myeloperoxidase
Species	Human
Immunogen	Human myeloperoxidase.
Conjugation	PE
Alternate Names	MPO; Myeloperoxidase; EC 1.11.2.2

### Application Instructions

Application table	Application	Dilution
	FACS	1:50 - 1:100

**Application Note** FACS: Membrane permeabilisation is required for this application. Use 10 µl of the suggested working dilution to label 10<sup>6</sup> cells in 100 µl.  
\* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS, 0.09% Sodium azide, 1% BSA and 5% Sucrose.
Preservative	0.09% Sodium azide
Stabilizer	1% BSA and 5% Sucrose
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. 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

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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: <a href="#">MPO antibodies</a> ; <a href="#">MPO ELISA Kits</a> ; <a href="#">MPO Duos / Panels</a> ; <a href="#">Anti-Mouse IgG secondary antibodies</a> ; Related news: <a href="#">Exploring Antiviral Immune Response</a>
Research Area	Inflammatory Cell Marker antibody; Neutrophil Marker antibody
Calculated Mw	84 kDa