

## APC Anti-Human Myeloperoxidase Antibody[1B10]

**Catalog Number:** AN00925E

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

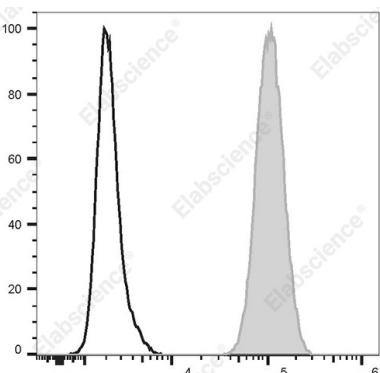
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1, κ
<b>Clone No.</b>	1B10
<b>Isotype Control</b>	APC Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792E]
<b>Conjugation</b>	APC
<b>Conjugation Information</b>	APC is designed to be excited by the Red (627-640 nm) laser and detected using an optical filter centered near 660 nm (e.g., a 660/20 nm bandpass filter).
<b>Storage Buffer</b>	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

### Applications

### Recommended usage

<b>FCM</b>	Each lot of this antibody is quality control tested by flow cytometric analysis. <b>The amount of the reagent is suggested to be used 5 µL of antibody per test (million cells in 100 µL staining volume or per 100 µL of whole blood).</b> Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.
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### Data



Intracellular staining of normal human peripheral blood cells with APC Anti-Human Myeloperoxidase Antibody[1B10] (filled gray histogram) or APC Mouse IgG1, κ Isotype Control (empty black histogram). Cells in the granulocytes gate were used for analysis.

### Preparation & Storage

<b>Storage</b>	Keep as concentrated solution. This product can be stored at 2-8°C for 12 months. Please protect from prolonged exposure to light and do not freeze.
<b>Shipping</b>	Ice bag

### Antigen Information

<b>Alternate Names</b>	MPO
<b>Uniprot ID</b>	P05164
<b>Gene ID</b>	4353

### For Research Use Only

Toll-free: 1-888-852-8623

Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086

Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017

Rev. V1.3

## Background

Myeloperoxidase (MPO) is a heterotetrameric protein consisting of two 60 kD heavy units and two 12 kD light units. A lysosomal enzyme, MPO is able to catalyze the production of hypochlorous acid, a potent microbicidal agent, from hydrogen peroxide and chloride anion during the neutrophil respiratory burst. MPO is a major enzyme involved in the inflammatory responses of polymorphonuclear leucocytes. MPO is localized to the azurophilic granules of mature granulocytes and monocytes and is also expressed in some acute myeloid leukemia cells.

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