# PE Anti-Human Myeloperoxidase Antibody[1B10]

**Catalog Number:** AN00925D

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

## Description

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| **Reactivity** | Human |
| **Host** | Mouse |
| **Isotype** | Mouse IgG1, κ |
| **Clone No.** | 1B10 |
| **Isotype Control** | PE Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792D] |
| **Conjugation** | PE |
| **Conjugation Information** | PE is designed to be excited by the Blue (488 nm), Green (532 nm) and Yellow-Green (561 nm) lasers and detected using an optical filter centered near 575 nm (e.g., a 585/42 nm bandpass filter). |
| **Storage Buffer** | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer. |

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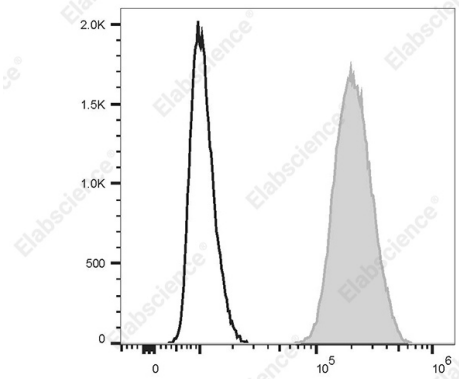
| **FCM** | Each lot of this antibody is quality control tested by flow cytometric analysis. **The amount of the reagent is suggested to be used 5 μL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood).** Please check your vial before the experiment. Since applications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

## Data




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

## Preparation & Storage

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

## Antigen Information

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| **Alternate Names** | MPO |
| **Uniprot ID** | P05164 |

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| **Gene ID** | 4353 |
| **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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