

ARG10145 anti-MPO / Myeloperoxidase antibody [16E3]

Package: 100 µg, 50 µg
Store at: -20°C

Summary

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|---------------------|---|
| Product Description | Mouse Monoclonal antibody [16E3] recognizes MPO / Myeloperoxidase |
| Tested Reactivity | Hu |
| Tested Application | ELISA |
| Specificity | This antibody is specific for Human myeloperoxidase (MPO) |
| Host | Mouse |
| Clonality | Monoclonal |
| Clone | 16E3 |
| Isotype | IgG1 |
| Target Name | MPO / Myeloperoxidase |
| Species | Human |
| Immunogen | purified human MPO |
| Conjugation | Un-conjugated |
| Alternate Names | MPO; Myeloperoxidase; EC 1.11.2.2 |

Application Instructions

| Application table | Application | Dilution |
|-------------------|-------------|-----------------|
| | ELISA | Assay-dependent |

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

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| Form | Liquid |
| Purification | Protein A affinity purified. |
| Buffer | PBS (pH 7.4) and 0.1% Sodium azide |
| Preservative | 0.1% Sodium azide |
| Concentration | 1.0-2.0 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

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|----------------|---|
| Database links | GeneID: 4353 Human Swiss-port # P05164 Human |
| 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 Antibody Duos and Panels: ARG30197 MPO ELISA Antibody Duo Related products: MPO antibodies ; MPO ELISA Kits ; MPO Duos / Panels ; Anti-Mouse IgG secondary antibodies ; Related news: Exploring Antiviral Immune Response |
| Research Area | Inflammatory Cell Marker antibody; Neutrophil Marker antibody |
| Calculated Mw | 84 kDa |