



# Anti-Myeloperoxidase monoclonal antibody, clone 14E14 (DCABH-494)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                            |                                                                                                                                                                                                                                                                                                                                                               |
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| <b>Product Overview</b>    | Mouse monoclonal to Myeloperoxidase                                                                                                                                                                                                                                                                                                                           |
| <b>Antigen Description</b> | 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. |
| <b>Specificity</b>         | This antibody does not cross-react with Human lactoferrin or Cow lactoperoxidase.                                                                                                                                                                                                                                                                             |
| <b>Target</b>              | Myeloperoxidase                                                                                                                                                                                                                                                                                                                                               |
| <b>Immunogen</b>           | Native Human Myeloperoxidase protein.                                                                                                                                                                                                                                                                                                                         |
| <b>Isotype</b>             | IgG1                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source/Host</b>         | Mouse                                                                                                                                                                                                                                                                                                                                                         |
| <b>Species Reactivity</b>  | Human                                                                                                                                                                                                                                                                                                                                                         |
| <b>Clone</b>               | 14E14                                                                                                                                                                                                                                                                                                                                                         |
| <b>Conjugate</b>           | Unconjugated                                                                                                                                                                                                                                                                                                                                                  |
| <b>Applications</b>        | ELISA                                                                                                                                                                                                                                                                                                                                                         |
| <b>Format</b>              | Liquid                                                                                                                                                                                                                                                                                                                                                        |
| <b>Size</b>                | 1 mg                                                                                                                                                                                                                                                                                                                                                          |
| <b>Buffer</b>              | Constituent: 99% PBS                                                                                                                                                                                                                                                                                                                                          |

|                     |                                                               |
|---------------------|---------------------------------------------------------------|
| <b>Preservative</b> | None                                                          |
| <b>Storage</b>      | store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. |
| <b>Ship</b>         | Shipped at 4°C.                                               |

## GENE INFORMATION

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|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | <a href="#">MPO myeloperoxidase [ Homo sapiens ]</a>                                                                                                                                                                                                                                                                                                                       |
| <b>Official Symbol</b>     | MPO                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>            | MPO; myeloperoxidase;                                                                                                                                                                                                                                                                                                                                                      |
| <b>Entrez Gene ID</b>      | <a href="#">4353</a>                                                                                                                                                                                                                                                                                                                                                       |
| <b>Protein Refseq</b>      | <a href="#">NP_000241</a>                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID</b>          | <a href="#">P05164</a>                                                                                                                                                                                                                                                                                                                                                     |
| <b>Chromosome Location</b> | 17q21.3-q23                                                                                                                                                                                                                                                                                                                                                                |
| <b>Pathway</b>             | C-MYB transcription factor network, organism-specific biosystem; Folate Metabolism, organism-specific biosystem; IL23-mediated signaling events, organism-specific biosystem; Phagosome, organism-specific biosystem; Phagosome, conserved biosystem; Selenium Pathway, organism-specific biosystem; Transcriptional misregulation in cancer, organism-specific biosystem; |
| <b>Function</b>            | chromatin binding; heme binding; heparin binding; metal ion binding; oxidoreductase activity; peroxidase activity;                                                                                                                                                                                                                                                         |