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Human myeloperoxidase,MPO ELISA Kit

| Product Code | CSB-E08721h |
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| Abbreviation | MPO |
| Protein Biological Process 1 | Oxidative Stress |
| Uniprot No. | P05164 |
| Product Type | ELISA Kit |
| Immunogen Species | Homo sapiens (Human) |
| Sample Types | serum, plasma, tissue homogenates |
| Detection Range | 0.156 ng/mL-10 ng/mL |
| Sensitivity | 0.039 ng/mL |
| Assay Time | 1-5h |
| Sample Volume | 50-100ul |
| Detection Wavelength | 450 nm |
| Lead Time | 3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx. |
| Research Area | Immunology |
| Gene Names | MPO |
| Tag Info | quantitative |
| Protein Description | Sandwich |
| Description | This Human myeloperoxidase (MPO) ELISA Kit is suitable for qualitatively determining MPO concentrations in multiple biological fluids, including human serum, plasma, and tissue homogenates in vitro. MPO is the heme-binding protein found in the azurophilic granules of neutrophils. It is critical in innate immune responses. MPO makes pus green and catalyzes the conversion of hydrogen peroxide to hypochlorous acid that kills bacteria and other invading pathogens. MPO plays a critical role in the microbicidal activity of neutrophils. Activated neutrophils release MPO into the phagolysosomes or the extracellular spaces. Together with hydrogen peroxide and chloride ion, MPO constitutes the cytocidal toxic mediators in infections. |
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substrate. The addition of the stop solution into the wells immediately turns the blue into yellow. The concentration of MPO in the samples is directly proportional to the OD value (at 450nm). Each manufactured lot of this ELISA kit was quality tested for criteria such as sensitivity, specificity, precision, recovery, linearity, and lot-to-lot consistency. See the manual for more information on validation.