



## Myeloperoxidase (MPO) Activity Assay kit

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Myeloperoxidase (MPO), the most abundant protein in neutrophils (also found in monocytes), is the focus of inflammatory pathologies. Most recent work has indicated that it is an excellent biomarker for human cardiovascular risk.

Its ability to catalyze reaction between chloride and hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>) to form hypochlorous acid is unique among mammalian enzymes and is considered to be the dominant function of MPO in vivo. Hypochlorous acid is a powerful antimicrobial agent, and extremely reactive with biological molecules causing much of the damage mediated by neutrophils in inflammatory diseases. MPO also exhibits peroxidase activity that catalyzes oxidation of a number of substrates by (H<sub>2</sub>O<sub>2</sub>). This activity has been widely used to assess the amount of MPO.

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| Catalog No.       | 250517                 |
| Size              | 50 Assays / 100 Assays |
| Product Category  | Colorimetric Assay     |
| Storage/Stability | 2 ~ 8°C/1 year         |
| Shipping          | Gel Packs              |