

## Myeloperoxidase Assay Kit | MPO assay kit

Myeloperoxidase assay kit

CATALOG #  
**AAA172701**

### PRODUCT SYNONYMS

Myeloperoxidase; Myeloperoxidase assay kit; MPO assay kit

### PRODUCT SPECIFICATIONS

|                         |                                                             |
|-------------------------|-------------------------------------------------------------|
| Sequence Length         | 745                                                         |
| Samples                 | Serum, plasma, milk, animal tissue, cells and other samples |
| Detection Range         | 16.95-3349 U/L                                              |
| Sensitivity             | 16.95 U/L                                                   |
| Intra-assay Precision   | Intra-assay CV is 4.5 %.                                    |
| Inter-assay Precision   | Inter-assay CV is 9.8%.                                     |
| Preparation and Storage | Store at 2-8 degree C. Valid for 12 months                  |

### ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                          |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for MPO assay kit | Principle of the Assay: Myeloperoxidase reduces hydrogen peroxide to a complex. The complex react with o-dianisidine (as hydrogen donor) to produce a yellow product which has a maximum absorption peak at 460 nm. The activity of MPO can be calculated indirectly by measuring the OD value at 460nm. |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### NCBI AND UNIPROT INFORMATION

|                                  |                 |
|----------------------------------|-----------------|
| NCBI GI #                        | 188658          |
| NCBI GeneID                      | 4353            |
| Molecular Weight                 | 87,248 Da       |
| NCBI Official Full Name          | myeloperoxidase |
| NCBI Official Synonym Full Names | myeloperoxidase |
| NCBI Official Symbol             | MPO             |
| NCBI Protein Information         | myeloperoxidase |
| UniProt Protein Name             | Myeloperoxidase |
| UniProt Gene Name                | <b>MPO</b>      |
| UniProt Synonym Gene Names       | MPO             |
| UniProt Entry Name               | PERM_HUMAN      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

