

## Product datasheet for **CF814007**

### Myeloperoxidase (MPO) Mouse Monoclonal Antibody [Clone ID: OTI5G5]

#### Product data:

|                         |  |
|-------------------------|--|
| Product Type:           | Primary Antibodies   |
| Clone Name:             | OTI5G5   |
| Applications:           | ELISA  |
| Recommended Dilution:   | ELISA 1:5000-10000   |
| Reactivity:             | Human  |
| Host:                   | Mouse  |
| Isotype:                | IgG1   |
| Clonality:              | Monoclonal   |
| Immunogen:              | Full length recombinant protein of human MPO (NP_000241) produced in Baculovirus-Insect cell.  |
| Formulation:            | Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)  |
| Reconstitution Method:  | For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific) |
| Purification:           | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)  |
| Conjugation:            | Unconjugated   |
| Predicted Protein Size: | 83.7 kDa   |
| Gene Name:              | myeloperoxidase  |
| Database Link:          | <a href="#">NP_000241</a><br><a href="#">Entrez Gene 4353 Human</a><br><a href="#">P05164</a>  |



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**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]

**Protein Families:**

Druggable Genome