

## Product datasheet for **TA813912S**

### Myeloperoxidase (MPO) Mouse Monoclonal Antibody [Clone ID: OTI6A9]

#### Product data:

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:           | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Clone Name:             | OTI6A9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 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:            | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Concentration:          | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 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>                                                                                                                                                                                                                                                                                                                                                                                             |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |



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