

## Product datasheet for **CF814003**

### Myeloperoxidase (MPO) Mouse Monoclonal Antibody [Clone ID: OTI2E12]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2E12
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> <a href="#">Entrez Gene 4353 Human</a> <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