

## Product datasheet for **AP52788PU-N**

### Myeloperoxidase (MPO) (N-term) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	FC, WB
Recommended Dilution:	<b>Flow cytometry:</b> 1/10-1/50. <b>Western blot:</b> 1/100-1/500. Enzyme immunoassay: 1/1000.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	Synthetic peptide - KLH conjugated - corresponding to the N-terminal region (between 66-97aa) of human Myeloperoxidase
Specificity:	This antibody recognizes human Myeloperoxidase at N-term.
Formulation:	PBS with 0.09% (W/V) Sodium azide State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Purified through a Protein A column followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	myeloperoxidase
Database Link:	<a href="#">Entrez Gene 4353 Human 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.

**Synonyms:**

MPO

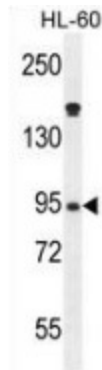
**Note:**

**Molecular Weight:** 83869 Da

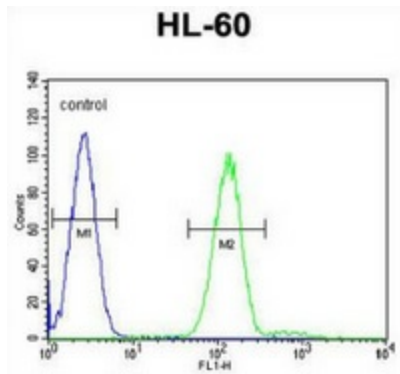
**Protein Families:**

Druggable Genome

**Product images:**



Western blot analysis in HL-60 cell line lysates (35ug/lane) using Myeloperoxidase antibody. (C-term). This demonstrates this antibody detected the Myeloperoxidase protein (arrow).



Flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram) using Myeloperoxidase antibody. (C-term), followed by FITC-conjugated goat-anti-rabbit secondary antibodies.