

## Product datasheet for **TA378617**

### Myeloperoxidase (MPO) Rabbit Polyclonal Antibody

#### Product data:

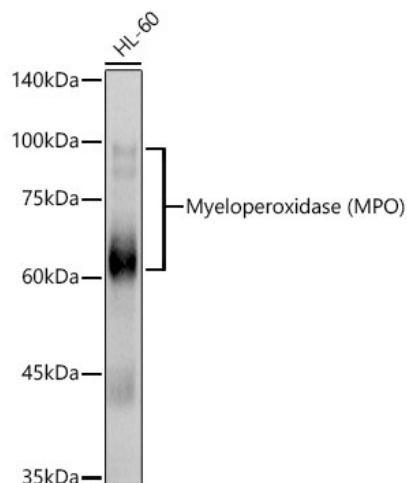
Product Type:	Primary Antibodies
Applications:	ICC/IF, WB
Recommended Dilution:	WB,1:500 - 1:2000 IHC,1:50 - 1:100 IF,1:50 - 1:200
Reactivity:	Human, Mouse, Rat
Modifications:	Unmodified
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 50-310 of human Myeloperoxidase (MPO) (NP_000241.1).
Formulation:	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	73kDa/83kDa/87kDa
Gene Name:	myeloperoxidase
Database Link:	<a href="#">Entrez Gene 4353 Human 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.



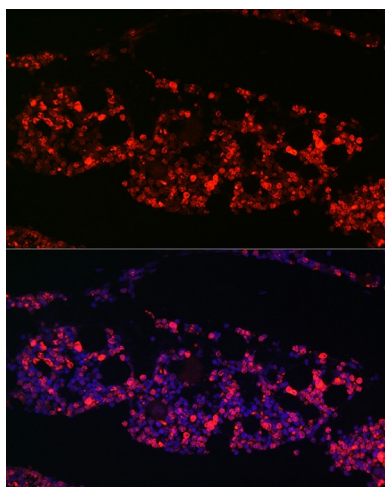
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Synonyms: myeloperoxidase

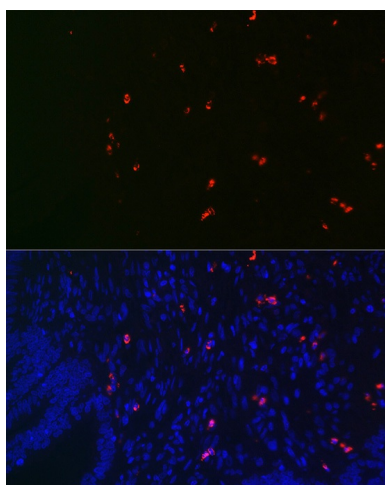
### Product images:



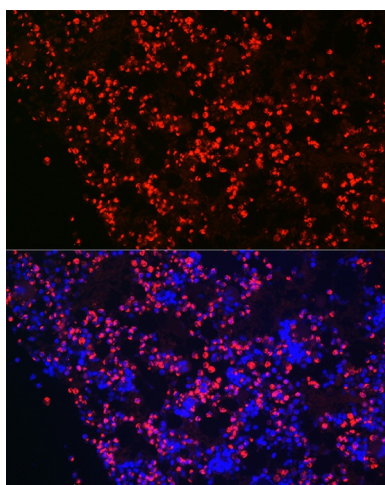
Western blot analysis of extracts of HL-60 cells, using Myeloperoxidase (MPO) antibody (TA378617) at 1:1000 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit. | Exposure time: 1s.



Immunofluorescence analysis of Mouse bone marrow cells using Myeloperoxidase (MPO) antibody (TA378617) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of Human colon carcinoma cells using Myeloperoxidase (MPO) antibody (TA378617) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of Rat bone marrow cells using Myeloperoxidase (MPO) antibody (TA378617) at dilution of 1:100. Blue: DAPI for nuclear staining.