

## Myeloperoxidase (MPO; non recombinant)

### Antigen Specification

**Product Number: 18500**

**Description:**

Human myeloperoxidase (MPO).  
Natural antigen for in vitro research  
and manufacturing use only.

**Immunological function:**

Binds IgG-type human auto-antibodies.

**Origin:**

Native. Isolated from human peripheral  
blood polymorphonuclear leukocytes.

**Biochemical tests:**

SDS-PAGE (purity > 80%; subunit  
composition according to following  
section); Western blot with rabbit anti-  
MPO antisera; green color indicates  
presence of "green heme" cofactor.

**Apparent molecular weight:**

approx. 150 kDa (contains 2 subunits  
each of a heavy chain with 64 kDa and  
a light chain with 13 kDa).

**Immunological tests/Functionality:**

Standard ELISA test (checkerboard  
analysis of positive/negative samples);  
immunodot analyses with  
positive/negative samples.

**Recommended buffer/storage and  
handling conditions:**

Recommendations for storage buffer:  
neutral to slightly alkaline pH and 20%  
glycerol as cryoprotective agent.  
Storage conditions: -70°C or below.  
Repeated freeze/thaw cycles should  
be avoided.

**Coating concentration:**

0.4-0.9 µg/mL (depending on the type  
of ELISA plate and coating buffer).  
Suitable for labeling of functional  
groups.

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