

Human Myeloperoxidase (non recombinant)

Antigen Specification

Product Number. 18500

Description:

Human myeloperoxidase (MPO).
Natural antigen for solid (ELISA) and
fluid phase diagnostic assays.

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. 150.000 Dalton (contains 2
subunits each of heavy chain with 64
kDa and light chain with 13 kDa)

Immunological tests/Functionality:

Standard ELISA test (checker-board
analysis of positive/negative sera
panels); Immuno-Dot test with
positive/negative sera panels

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

Recommendations for storage buffer:
ionic strength around 150 to 200 mM,
neutral to slightly alkaline pH and 20 %
glycerol as cryoprotective agent.
Storage temperature: -70° to -80° C.
Repeated freeze/thaw cycles should
be avoided.

Coating concentration:

0.4-0.9 μ g/ml (depending on the type
of ELISA plate and coating buffer).
Suitable for biotinylation and iodination.

Copyright 2007 – 2009 DIARECT AG