

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 a heavy chain with 64
kDa and a light chain with 13 kDa).

Immunological tests/Functionality:

Standard ELISA test (checkerboard
analysis of positive/negative sera
panels); immunodot test with
positive/negative sera panels.

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

Recommendations for storage buffer:
ionic strength between 150 and 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.

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