

Proteinase 3 (PR3; non recombinant)

Antigen Specification

Product Number: 18600

Description:

Human proteinase 3 (PR3).
Natural antigen for solid (ELISA) and
fluid phase diagnostic assays.

Immunological function:

Binds IgG-type human auto-antibodies.
Auto-antibodies to PR3 recognize
conformation-dependent epitopes.

Origin:

Native. Isolated from human peripheral
blood leukocytes.

Biochemical tests:

SDS-PAGE; capillary electrophoresis
(purity > 80 % in the sum of different
glycosylation isoforms according to
following section); Western blot with
rabbit anti-PR3 antisera and mouse
anti-PR3 monoclonal antibodies.

Apparent molecular weight:

approx. 25,000 to 32,000 Daltons (due
to glycosylation isoforms).

Immunological tests/Functionality:

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

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

Recommendations for storage buffer:
ionic strength around 400 mM, neutral
to slightly acidic pH, low concentration
of a neutral detergent. Storage
temperature: -70° to -80° C. Repeated
freeze/thaw cycles should be avoided.

Coating concentration:

0.5-1.0 $\mu\text{g/ml}$ (depending on the type
of ELISA plate and coating buffer).
Suitable for biotinylation and iodination.

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