

Proteinase 3 (PR3; non recombinant)

Antigen Specification

Product Number: 18600

Description:

Human proteinase 3 (PR3).
Natural antigen for research use or manufacturing only.

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 antiserum and mouse anti-PR3 monoclonal antibody.

Apparent molecular weight:

approx. 25 kDa to 32 kDa (due to glycosylation isoforms).

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 acidic pH, low concentration of a neutral detergent. Storage conditions: -70°C or below. Repeated freeze/thaw cycles should be avoided.

Coating concentration:

0.5-1.0 µg/mL (depending on the type of ELISA plate and coating buffer). Suitable for labeling of functional groups.

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