

Proteinase 3/PRTN3/PR3 Polyclonal Antibody(Capture/Detector)

catalog number: AN001140P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

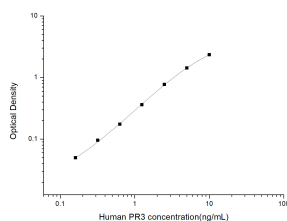
Reactivity	Human
Immunogen	Recombinant Human Proteinase 3/PRTN3/PR3 protein expressed by Mammalian
Host	Rabbit
Isotype	Rabbit IgG
Purification	Antigen Affinity Purification
Conjugation	Unconjugated
Buffer	Phosphate buffered solution, pH 7.2, containing 0.05% Proclin300.

Applications

Recommended Dilution

ELISA Capture	2-8 µg/mL
ELISA Detector	0.1-0.4 µg/mL

Data



Sandwich ELISA-Recombinant Human Proteinase 3/PRTN3/PR3 protein standard curve. Background subtracted standard curve using Proteinase 3/PRTN3/PR3 antibody(AN001140P)(Capture), Proteinase 3/PRTN3/PR3 antibody(AN001140P)(Detector) in sandwich ELISA. The reference range value for Recombinant Human Proteinase 3/PRTN3/PR3 protein is 0.16-10 ng/mL.

Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

Background

Proteinase 3 (PRTN3), also known as Myeloblastin (MBN), is a 32-33 kDa member of the peptidase S1 family of enzymes. It is expressed by monocytes and neutrophils, the latter of which either secretes it, sequesters it in azurophilic granules, or expresses it on the cell surface. When secreted, it acts on HK and activates the kinin pathway. In azurophilic granules, it aids in the digestion of phagocytosed material. On the cell surface, it likely acts on ECM. Human PRTN3 proprecursor is 231 amino acids (aa) in length. It contains an Ala26-Glu27 propeptide that is removed during maturation, a 221 aa mature enzyme (aa 28-248), and an eight aa C-terminal propeptide (aa 249-256). Within the cell, a 35 kDa immature form exists; on the cell surface, both constitutively inactive, and induced active forms may be found, often in a noncovalent association with CD177/NB1. Over aa 26-249, human PRTN3 shares 68% aa identity with mouse PRTN3.

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