

Rat Proteinase 3 (PR3) ELISA Kit | PR3 elisa kit

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CATALOG #
AAA66432

REACTIVITY
Rat

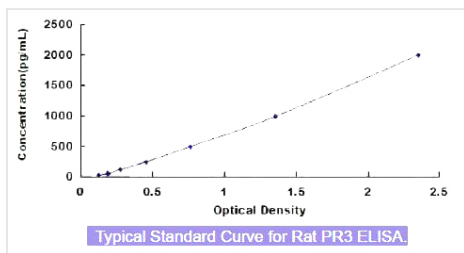
PRODUCT SYNONYMS

Proteinase 3 (PR3); Rat Proteinase 3 (PR3) ELISA Kit; MBN; PRTN3; ACPA; AGP7; C-ANCA; MBT; P29; PRK; Myeloblastin; Serine Proteinase; Neutrophil; Wegener Granulomatosis Autoantigen; Protease K; Proteinase K; Endopeptidase K; PR3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of PR3. No significant cross-reactivity or interference between PR3 and analogues was observed.
Sequence Length	254
Samples	Serum, plasma or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	31.2-2000pg/mL
Sensitivity	< 14.8pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PR3 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PR3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PR3 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of PR3 in rat serum, plasma or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PR3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PR3. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain PR3, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of PR3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	66730380
NCBI GeneID	314615
NCBI Accession #	NP_001019435.1
NCBI GenBank Nucleotide #	NM_001024264.1
UniProt Accession #	Q8K597
Molecular Weight	27,682 Da
NCBI Official Full Name	myeloblastin
NCBI Official Synonym Full Names	proteinase 3
NCBI Official Symbol	Prtn3
NCBI Protein Information	myeloblastin
UniProt Protein Name	Protein Prtn3
UniProt Gene Name	Prtn3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/proteinase-3-pr3/66432>