

Mouse Proteinase 3 antibody ELISA Kit | PR3AB elisa kit

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CATALOG #
AAA82382

REACTIVITY
Mouse

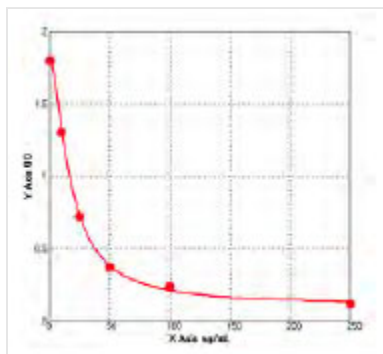
PRODUCT SYNONYMS

Proteinase 3 antibody; Mouse Proteinase 3 antibody ELISA Kit; PR3AB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of PRO3Ab. No significant cross-reactivity or interference between PRO3Ab and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PRO3Ab and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PR3AB elisa kit	Intended Uses: This PRO3Ab ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse PRO3Ab. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: PRO3Ab ELISA kit applies the competitive enzyme immunoassay technique utilizing Proteinase 3 antigen and an PRO3Ab-HRP conjugate. The assay sample and buffer are incubated together with PRO3Ab-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PRO3Ab concentration since PRO3Ab from samples and PRO3Ab-HRP conjugate compete for the Proteinase 3 antigen binding site. Since the number of sites is limited, as more sites are occupied by PRO3Ab from the sample, fewer sites are left to bind PRO3Ab-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PRO3Ab concentration in each sample is interpolated from this standard curve.
Product Categories/Family for PR3AB elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	1335280
UniProt Accession #	P24158; P15637; P18078; Q4VB08; Q4VB09; Q6LBM7; Q6LBN2; Q9UD25; Q9UQD8
Molecular Weight	27,807 Da
NCBI Official Full Name	proteinase 3
UniProt Protein Name	Myeloblastin
UniProt Gene Name	PRTN3
UniProt Synonym Gene Names	MBN; PR-3; PR3; NP-4
UniProt Entry Name	PRTN3_HUMAN

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/pr3ab-mouse-elisa-kits/proteinase-3-antibody/82382>