

Mouse Peptidase Inhibitor 16 (PI16) ELISA Kit | PI16 elisa kit

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CATALOG #
AAA189884

REACTIVITY
Mouse

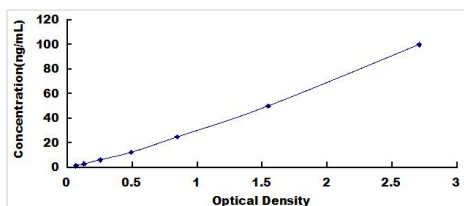
PRODUCT SYNONYMS

Peptidase Inhibitor 16 (PI16); Mouse Peptidase Inhibitor 16 (PI16) ELISA Kit; MSMBBP; CRISP9; PSPBP; Microseminoprotein; Beta-Binding Protein; Protease Inhibitor 16; PSP94-binding protein; Cysteine-rich secretory protein 9; PI16/Peptidase Inhibitor 16; PI16 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of PI16. No significant cross-reactivity or interference between PI16 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	1.56-100ng/mL
Sensitivity	< 0.62ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PI16 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 PI16 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf Life: 8 months The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PI16 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to PI16. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to PI16. 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 PI16, 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 $\pm$ 10nm. The concentration of PI16 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PI16 in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for PI16 elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	116089320
NCBI GeneID	74116
NCBI Accession #	NP_076223.3
NCBI GenBank Nucleotide #	NM_023734.3
UniProt Accession #	Q9ET66; Q148Q6; Q8CHU4; Q9JJ56
Molecular Weight	52,665 Da
NCBI Official Full Name	peptidase inhibitor 16
NCBI Official Synonym Full Names	peptidase inhibitor 16
NCBI Official Symbol	Pi16
NCBI Official Synonym Symbols	Cripi; PI-16; 1200009H11Rik
NCBI Protein Information	peptidase inhibitor 16; protease inhibitor 16; cysteine-rich protease inhibitor
UniProt Protein Name	Peptidase inhibitor 16
UniProt Gene Name	Pi16
UniProt Synonym Gene Names	Cripi; PI-16
UniProt Entry Name	PI16_MOUSE

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/peptidase-inhibitor-16-pi16/189884>