

Mouse Phosphatase And Tensin Homolog (PTEN) ELISA Kit | PTEN elisa kit

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CATALOG #
AAA186931

REACTIVITY
Mouse

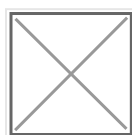
PRODUCT SYNONYMS

Phosphatase And Tensin Homolog (PTEN); Mouse Phosphatase And Tensin Homolog (PTEN) ELISA Kit; BZS; MHAM; MMAC1; PTEN1; TEP1; Mutated In Multiple Advanced Cancers 1; Phosphatidylinositol 3; 4; 5-trisphosphate 3-phosphatase and dual-specificity protein phosphatase PTEN; PTEN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of PTEN. No significant cross-reactivity or interference between PTEN and analogues was observed.
Sequence Length	514
Samples	Mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.060ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PTEN 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 PTEN were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	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 PTEN elisa kit

Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to PTEN. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to PTEN. 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 PTEN, 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 PTEN in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	281364769
NCBI GeneID	43991
NCBI Accession #	NP_477422.2
NCBI GenBank Nucleotide #	NM_058074.4
NCBI Official Full Name	phosphatase and tensin homolog, isoform H
NCBI Official Synonym Full Names	Phosphatase and tensin homolog
NCBI Official Symbol	Pten
NCBI Official Synonym Symbols	CG5671; DmelCG5671; dpten; dPten; dPTEN; DPTEN; pten; PTEN; PTEN3
NCBI Protein Information	CG5671 gene product from transcript CG5671-RB

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/mouse-elisa-kits/phosphatase-and-tensin-homolog-pten/186931>