

Mouse Protein Phosphatase 3, Regulatory Subunit 1 (PPP3R1) ELISA Kit | PPP3R1 elisa kit

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CATALOG # AAA65206	REACTIVITY Mouse
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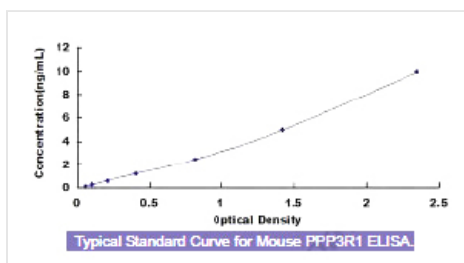
PRODUCT SYNONYMS

Protein Phosphatase 3; Regulatory Subunit 1 (PPP3R1); Mouse Protein Phosphatase 3; Regulatory Subunit 1 (PPP3R1) ELISA Kit; CALNB1; CNB; CNB1; Calcineurin B Type I; Protein phosphatase 2B regulatory subunit 1; Protein phosphatase 3 regulatory subunit B alpha isoform 1; PPP3R1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of PPP3R1. No significant cross-reactivity or interference between PPP3R1 and analogues was observed.
Sequence Length	170
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.042ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PPP3R1 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 PPP3R1 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 PPP3R1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PPP3R1 in mouse tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PPP3R1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PPP3R1. 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 PPP3R1, 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 PPP3R1 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 #	84794597
NCBI GeneID	19058
NCBI Accession #	NP_077779.2
NCBI GenBank Nucleotide #	NM_024459.2
UniProt Accession #	Q63810; Q3V067; Q5F225
Molecular Weight	18,208 Da
NCBI Official Full Name	calcineurin subunit B type 1
NCBI Official Synonym Full Names	protein phosphatase 3, regulatory subunit B, alpha isoform (calcineurin B, type I)
NCBI Official Symbol	Ppp3r1
NCBI Official Synonym Symbols	Cnb1; CaNB1; MCIP1
NCBI Protein Information	calcineurin subunit B type 1
UniProt Protein Name	Calcineurin subunit B type 1
UniProt Gene Name	Ppp3r1
UniProt Synonym Gene Names	Cnb

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/protein-phosphatase-3-regulatory-subunit-1-ppp3r1/65206>