

Rat Protein Phosphatase, Mg²⁺/Mn²⁺ Dependent 1A (PPM1A) ELISA Kit | PPM1A elisa kit

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CATALOG #
AAA64981

REACTIVITY
Rat

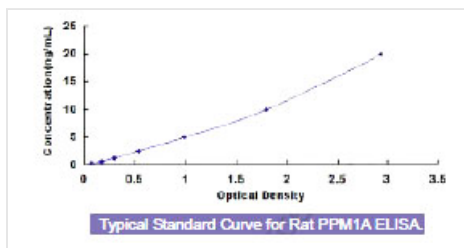
PRODUCT SYNONYMS

Protein Phosphatase; Mg²⁺/Mn²⁺ Dependent 1A (PPM1A); Rat Protein Phosphatase; Mg²⁺/Mn²⁺ Dependent 1A (PPM1A) ELISA Kit; Pgc1; Pgc1a; PGC-1-alpha; PPAR-gamma coactivator 1-alpha; Ppargc1; PPARGC-1-alpha; PPM1A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of PPM1A. No significant cross-reactivity or interference between PPM1A and analogues was observed.
Sequence Length	382
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.138ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PPM1A 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 PPM1A 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 PPM1A elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PPM1A in rat tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PPM1A. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PPM1A. 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 PPM1A, 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 PPM1A 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 #	8394012
NCBI GeneID	24666
NCBI Accession #	NP_058734.1
NCBI GenBank Nucleotide #	NM_017038.1
UniProt Accession #	P20650
Molecular Weight	42,417 Da
NCBI Official Full Name	protein phosphatase 1A
NCBI Official Synonym Full Names	protein phosphatase, Mg2+/Mn2+ dependent, 1A
NCBI Official Symbol	Ppm1a
NCBI Official Synonym Symbols	Pp2c1
NCBI Protein Information	protein phosphatase 1A
UniProt Protein Name	Protein phosphatase 1A
UniProt Gene Name	Ppm1a
UniProt Synonym Gene Names	Pp2c1; Pppm1a; PP2C-alpha

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/rat-elisa-kits/protein-phosphatase-mg2-mn2-dependent-1a-ppm1a/64981>