

Human Protein Phosphatase, Mg²⁺/Mn²⁺ Dependent 1D (PPM1D) ELISA Kit | PPM1D elisa kit

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CATALOG #
AAA149171

REACTIVITY
Human

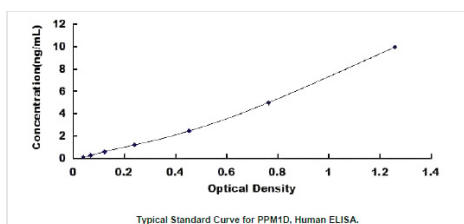
PRODUCT SYNONYMS

Protein Phosphatase; Mg²⁺/Mn²⁺ Dependent 1D (PPM1D); Human Protein Phosphatase; Mg²⁺/Mn²⁺ Dependent 1D (PPM1D) ELISA Kit; PP2C-DELTA; WIP1; Wild-Type p53-Induced Phosphatase 1; Protein Phosphatase 2C; Delta Isoform; Protein Phosphatase 1D Magnesium-Dependent; Delta; PPM1D elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PPM1D. No significant cross-reactivity or interference between PPM1D and analogues was observed.
Sequence Length	605
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.055ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PPM1D 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 PPM1D 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 PPM1D elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to PPM1D. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to PPM1D. 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 PPM1D, 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 PPM1D 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 PPM1D in human tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for PPM1D elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505997
NCBI GeneID	8493
NCBI Accession #	NP_003611.1
NCBI GenBank Nucleotide #	NM_003620.3
UniProt Accession #	O15297; Q53XP4; Q6P991; Q8IVR6
Molecular Weight	47,211 Da
NCBI Official Full Name	protein phosphatase 1D
NCBI Official Synonym Full Names	protein phosphatase, Mg2+/Mn2+ dependent 1D
NCBI Official Symbol	PPM1D
NCBI Official Synonym Symbols	WIP1; IDDGIP; PP2C-DELTA
NCBI Protein Information	protein phosphatase 1D
UniProt Protein Name	Protein phosphatase 1D
UniProt Gene Name	PPM1D
UniProt Synonym Gene Names	WIP1; PP2C-delta

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/human-elisa-kits/protein-phosphatase-mg2-mn2-dependent-1d-ppm1d/149171>