

Human Calcineurin subunit B type 1 ELISA Kit | PPP3R1 elisa kit

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CATALOG #
AAA100121

REACTIVITY
Human

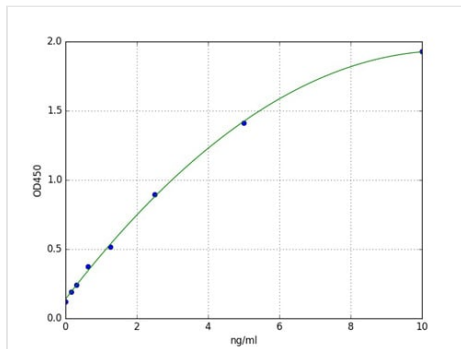
PRODUCT SYNONYMS

Calcineurin subunit B type 1; Human Calcineurin subunit B type 1 ELISA Kit; PPP3R1/CALNB1/MCIP1/PP2B beta 1/CNA2/CNB1/Protein phosphatase 2B regulatory subunit 1/protein phosphatase 2B regulatory subunit B alpha/Protein phosphatase 3 regulatory subunit B alpha isoform 1/protein phosphatase 3; regulatory subunit B; alpha/type I (19kDa); PPP3R1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	170
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a PPP3R1 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.014	0.201	0.353	0.530	0.924	1.387	2.052	2.522

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PPP3R1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-PPP3R1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-PPP3R1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the PPP3R1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of PPP3R1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506025
NCBI GeneID	5534
NCBI Accession #	NP_000936.1
NCBI GenBank Nucleotide #	NM_000945.3
Molecular Weight	19,300 Da
NCBI Official Full Name	calcineurin subunit B type 1
NCBI Official Synonym Full Names	protein phosphatase 3 regulatory subunit B, alpha
NCBI Official Symbol	PPP3R1
NCBI Official Synonym Symbols	CNB; CNB1; CALNB1
NCBI Protein Information	calcineurin subunit B type 1
UniProt Protein Name	Calcineurin subunit B type 1
UniProt Gene Name	PPP3R1
UniProt Synonym Gene Names	CNA2; CNB
UniProt Entry Name	CANB1_HUMAN

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/ppp3r1-human-elisa-kits/calcineurin-subunit-b-type-1/100121>