

Human Protein phosphatase ELISA Kit | PP elisa kit

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CATALOG #
AAA82762

REACTIVITY
Human

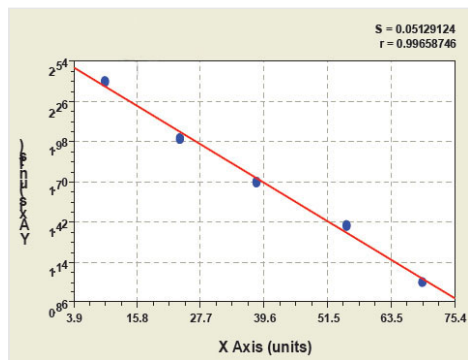
PRODUCT SYNONYMS

Protein phosphatase; Human Protein phosphatase ELISA Kit; PP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This PP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PP. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PP elisa kit

Principle of the Assay: PP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PP antibody and an PP-HRP conjugate. The assay sample and buffer are incubated together with PP-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PP concentration since PP from samples and PP-HRP conjugate compete for the anti-PP antibody binding site. Since the number of sites is limited, as more sites are occupied by PP from the sample, fewer sites are left to bind PP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PP concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	15224677
NCBI GeneID	817045
NCBI Accession #	NP_180079.1
NCBI GenBank Nucleotide #	NM_128064.2
Molecular Weight	39,354 Da
NCBI Official Full Name	probable protein phosphatase 2C 21
NCBI Official Symbol	AT2G25070
NCBI Official Synonym Symbols	F13D4.1
NCBI Protein Information	probable protein phosphatase 2C 21
UniProt Protein Name	Probable protein phosphatase 2C 21
UniProt Gene Name	PPC4-2
UniProt Synonym Gene Names	At2g25070; F13D4.1; F27C12; AtPP2C21
UniProt Entry Name	P2C21_ARATH

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/pp-human-elisa-kits/protein-phosphatase/82762>