

Human Phosphomevalonate kinase (PMVK) ELISA Kit | PMVK elisa kit

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CATALOG #
AAA245602

REACTIVITY
Human

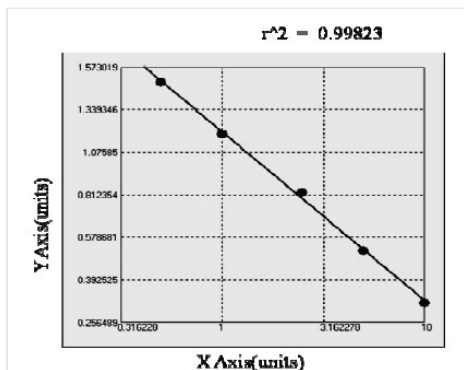
PRODUCT SYNONYMS

Phosphomevalonate kinase (PMVK); Human Phosphomevalonate kinase (PMVK) ELISA Kit; PMVK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This PMVK ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PMVK. 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 PMVK elisa kit

Principle of the Assay: PMVK ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-PMVK antibody and an PMVK-HRP conjugate. The assay sample and buffer are incubated together with PMVK-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 PMVK concentration since PMVK from samples and PMVK-HRP conjugate compete for the anti-PMVK antibody binding site. Since the number of sites is limited, as more sites are occupied by PMVK from the sample, fewer sites are left to bind PMVK-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PMVK concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5729980
NCBI GeneID	10654
NCBI Accession #	NP_006547.1
NCBI GenBank Nucleotide #	NM_006556.3
Molecular Weight	21,995 Da
NCBI Official Full Name	phosphomevalonate kinase
NCBI Official Synonym Full Names	phosphomevalonate kinase
NCBI Official Symbol	PMVK
NCBI Official Synonym Symbols	PMK; PMKA; PMKASE; HUMPMKI
NCBI Protein Information	phosphomevalonate kinase; hPMK
UniProt Protein Name	Phosphomevalonate kinase
UniProt Gene Name	PMVK
UniProt Synonym Gene Names	PMKI; PMKase; hPMK
UniProt Entry Name	PMVK_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/human-elisa-kits/phosphomevalonate-kinase-pmvk/245602>