

Human Phosphofructokinase Platelet ELISA Kit | PFKP elisa kit

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CATALOG #
AAA86231

REACTIVITY
Human

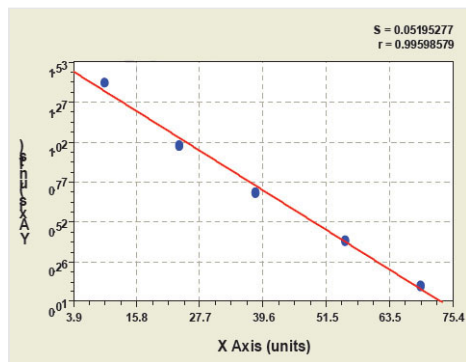
PRODUCT SYNONYMS

Phosphofructokinase Platelet; Human Phosphofructokinase Platelet ELISA Kit; PFKP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This PFKP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PFKP. 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 PFKP elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	57162486
UniProt Accession #	Q5VSR5
Molecular Weight	22,677 Da
UniProt Protein Name	ATP-dependent 6-phosphofructokinase, platelet type
UniProt Gene Name	PFKP
UniProt Entry Name	Q5VSR5_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/pfkp-human-elisa-kits/phosphofructokinase-platelet/86231>