

Human Phosphofructokinase-Platelet (PFKP) ELISA Kit | PFKP elisa kit

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CATALOG #
AAA331414

REACTIVITY
Human

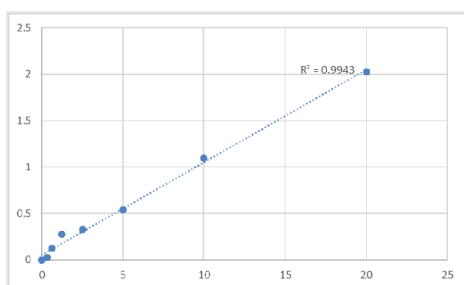
PRODUCT SYNONYMS

Phosphofructokinase-Platelet (PFKP); Human Phosphofructokinase-Platelet (PFKP) ELISA Kit; PFKP; RP11-298E9.2; FLJ40226; PFK-C; PFKF; Phosphofructokinase; platelet type; PFKP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Phosphofructokinase-platelet (PFKP) ELISA Kit has high sensitivity and excellent specificity for detection of Human PFKP. No significant cross-reactivity or interference between Human PFKP and analogues was observed.
Sequence Length	776
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Phosphofructokinase-platelet (PFKP) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PFKP elisa kit	Description: This Human Phosphofructokinase-platelet (PFKP) ELISA Kit employs a two-site sandwich ELISA to quantitate PFKP in samples. An antibody specific for PFKP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PFKP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PFKP is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PFKP bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Phosphofructokinase, platelet, also known as PFKP is the platelet isoform of phosphofructokinase (PFK) (ATP:D-fructose-6-phosphate-1-phosphotransferase, EC 2.7.1.11). PFK catalyzes the irreversible conversion of fructose 6-phosphate to fructose 1,6-bisphosphate and is a key regulatory enzyme in glycolysis. The PFKP gene, which maps to chromosome 10p, is also expressed in fibroblasts. See also the muscle (PFKM) and liver (PFKL) isoforms of phosphofructokinase, which map to chromosomes 12q13 and 21q22, respectively. Full tetrameric phosphofructokinase enzyme expressed in platelets can be composed of subunits P4, P3L, and P2L2.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	334191701
NCBI GeneID	5214
NCBI Accession #	NP_001229268.1
NCBI GenBank Nucleotide #	NP_001229268.1
UniProt Accession #	Q01813
NCBI Official Full Name	ATP-dependent 6-phosphofructokinase, platelet type isoform 2
NCBI Official Synonym Full Names	phosphofructokinase, platelet
NCBI Official Symbol	PFKP
NCBI Official Synonym Symbols	PFKF; PFK-C; PFK-P; ATP-PFK
NCBI Protein Information	ATP-dependent 6-phosphofructokinase, platelet type
UniProt Protein Name	6-phosphofructokinase type C
UniProt Gene Name	PFKP
UniProt Synonym Gene Names	PFKF; PFK-C
UniProt Entry Name	K6PP_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.