

Rat 6-phosphofructokinase, liver type (PFKL) ELISA Kit | PFKL elisa kit

Rat 6-phosphofructokinase, liver type (PFKL) ELISA Kit

CATALOG #
AAA244290

REACTIVITY
Rat

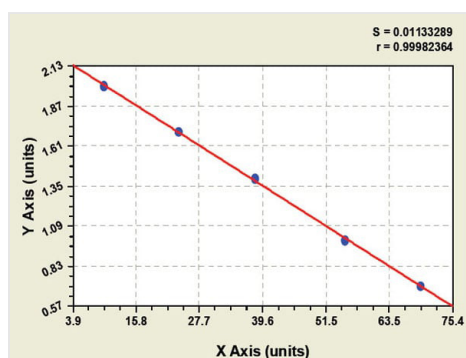
PRODUCT SYNONYMS

6-phosphofructokinase; liver type (PFKL); Rat 6-phosphofructokinase; liver type (PFKL) ELISA Kit; PFKL elisa kit

PRODUCT SPECIFICATIONS

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

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	683465424
UniProt Accession #	P12382; Q8VDX7
Molecular Weight	85,360 Da
NCBI Official Full Name	6-phosphofructokinase, liver type, partial
UniProt Protein Name	ATP-dependent 6-phosphofructokinase, liver type
UniProt Gene Name	Pfkl
UniProt Synonym Gene Names	Pfk-l; Pfk-b; ATP-PFK; PFK-L; PFK-B
UniProt Entry Name	PFKAL_MOUSE

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/6-phosphofructokinase-liver-type-pfkl/244290>