

Human 6 phosphofructo 2 kinase/fructose 2, 6 biphosphatase 3 (PFKFB3) ELISA Kit | PFKFB3 elisa kit

Human 6 phosphofructo 2 kinase/fructose 2, 6 biphosphatase 3 (PFKFB3) ELISA Kit

CATALOG # AAA244255	REACTIVITY Human
-------------------------------	----------------------------

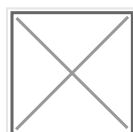
PRODUCT SYNONYMS

6 phosphofructo 2 kinase/fructose 2; 6 biphosphatase 3 (PFKFB3); Human 6 phosphofructo 2 kinase/fructose 2; 6 biphosphatase 3 (PFKFB3) ELISA Kit; PFKFB3 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 PFKFB3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PFKFB3. 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 PFKFB3 elisa kit	Principle of the assay: PFKFB3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PFKFB3 antibody and an PFKFB3-HRP conjugate. The assay sample and buffer are incubated together with PFKFB3-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 PFKFB3 concentration since PFKFB3 from samples and PFKFB3-HRP conjugate compete for the anti-PFKFB3 antibody binding site. Since the number of sites is limited, as more sites are occupied by PFKFB3 from the sample, fewer sites are left to bind PFKFB3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PFKFB3 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for PFKFB3 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	26251769
NCBI GeneID	5209
Molecular Weight	60,602 Da
NCBI Official Full Name	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3
NCBI Official Synonym Full Names	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3
NCBI Official Symbol	PFKFB3
NCBI Official Synonym Symbols	PFK2; IPFK2
NCBI Protein Information	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 3; IPFK-2; PFK/FBPase 3; 6PF-2-K/Fru-2,6-P2ase 3; renal carcinoma antigen NY-REN-56; 6PF-2-K/Fru-2,6-P2ase brain/placenta-type isozyme; 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase; 6-phosphofructo-2-kinase/fructose-2, 6-bisphosphatase; fructose-6-phosphate,2-kinase/fructose-2, 6-bisphosphatase; inducible 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase
UniProt Protein Name	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 3
UniProt Gene Name	PFKFB3
UniProt Synonym Gene Names	6PF-2-K/Fru-2,6-P2ase 3; PFK/FBPase 3
UniProt Entry Name	F263_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/6-phosphofructo-2-kinase-fructose-2-6-biphosphatase-3-pfkfb3/244255>