



Guinea pig 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3 (PFKFB3) ELISA kit

Cat. No.:	0126WXX-1259
Assay Type:	Quantitative ELISA
Target Species:	Guinea pig
Assay Target:	PFKFB3
Size:	48T; 96T

This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	Guinea pig 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3 (PFKFB3) ELISA kit is an ELISA-based <i>in vitro</i> research tool designed specifically for the quantitative detection of PFKFB3 in guinea pig samples. The kit is highly sensitive and easy to use.
Assay Principle	The ELISA analytical biochemical technique is based on PFKFB3 antibody-PFKFB3 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect PFKFB3 antigen targets in samples.
Background	PFKFB3 is a key bifunctional enzyme responsible for both the synthesis and degradation of fructose-2,6-bisphosphate (the most potent allosteric activator of the glycolytic rate-limiting enzyme PFK-1). Consequently, its activity is one of the primary determinants of cellular glycolytic flux. Given its pivotal role in glycolysis, PFKFB3 plays a significant role in diseases such as obesity.
Synonyms	IPFK2; PFK2; iPFK-2, 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3
Formula Weight	60,602 Da
Applications	Guinea pig 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3 (PFKFB3) ELISA kit is used to quantify PFKFB3 in serum, plasma, cell culture supernatants, body fluid, tissue homogenate of guinea pig, providing data to support research in a wide range of areas, including inflammation, metabolism, obesity, and others.
Research Area	Inflammation; Metabolism; Obesity

Specification

**Sample Type**

Serum; Plasma; Cell culture supernatants; Body fluid; Tissue homogenate

Cross-reactivity

No significant cross-reactivity or interference was observed.

Storage

Store at 2-8°C.