

## Polyclonal Antibody to Fructose 6 Phosphate Kinase - Ig Fraction

<b>Catalog No.:</b>	R1081P
<b>Quantity:</b>	50 mg
<b>Concentration:</b>	10.0 mg/ml (by UV absorbance at 280 nm)
<b>Background:</b>	Phosphofructokinase catalyzes the irreversible conversion of fructose 6 phosphate to fructose 1,6 bisphosphate. Mammalian PFK is a complex isozyme consisting of 3 subunits: muscle (M), liver (L), and platelet (P). Each subunit is encoded by a separate structural locus on chromosomes 1(M), 21(L), and 10(P). PFKL is the major form in liver and kidney while only M type PFK isozyme is expressed in mature muscle; therefore, muscle contains only homotetramers of M subunits. Erythrocytes contain both L and M subunits, and these randomly tetramerize to form M <sub>4</sub> , L <sub>4</sub> , and 3 additional hybrid forms of the holoenzyme.
<b>Host:</b>	Goat
<b>Immunogen:</b>	Fructose-6-Phosphate Kinase [Rabbit muscle].
<b>Format:</b>	<b>State:</b> Lyophilized purified Ig fraction. <b>Purification:</b> Multi-step process. <b>Buffer System:</b> 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 with 0.01% sodium azide as preservative. <b>Reconstitution:</b> Restore with 5.0 ml of deionized water (or equivalent).
<b>Applications:</b>	Suitable for Immunoblotting (Western or Dot blot), ELISA, Immunoprecipitation, conjugation and most immunological methods requiring high titer and specificity. <b>Recommended Dilutions:</b> This product has been assayed against 1.0 ug of Fructose-6-Phosphate Kinase [Rabbit muscle] in a standard sandwich ELISA using Peroxidase conjugated Affinity Purified anti-Goat IgG [H&L] (Goat) and ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) as a substrate for 30 minutes at room temperature. A working dilution of 1:2,000 to 1:9,000 of the reconstitution concentration is suggested for this product. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This product is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum as well as purified and partially purified Fructose-6-Phosphate Kinase [Rabbit muscle]. Cross reactivity against Fructose-6-Phosphate Kinase from other tissues and species may occur but have not been specifically determined.

**Storage:**

Store vial at 2-8°C prior to restoration. Centrifuge product if not completely clear after standing at room temperature. For extended storage aliquot contents and freeze at -20°C or below.

This product is stable for one month at 2-8°C as an undiluted liquid.

Dilute only prior to immediate use.

Avoid cycles of freezing and thawing.

Shelf life: One year from despatch.