

**Datasheet for 200-1656****Fructose-6-Phosphate Kinase Antibody Biotin Conjugated****Overview**

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| <b>Description:</b>  | Anti-Fructose-6-Phosphate Kinase (Rabbit Muscle) (GOAT) Antibody Biotin Conjugated (BULK ORDER) - 200-1656 |
| <b>Item No.:</b>     | 200-1656                                                                                                   |
| <b>Size:</b>         | 10 mg                                                                                                      |
| <b>Reactivity:</b>   | Rabbit                                                                                                     |
| <b>Host Species:</b> | Goat                                                                                                       |

**Product Details**

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| <b>Background:</b>   | Fructose-6-Phosphate Kinase -2 (F6PK) also known as Phosphofructokinase (PFK) catalyzes the conversion of ATP + D-fructose 6-phosphate to ADP + D-fructose 1,6-bisphosphate and therefore is a key enzyme in the control of glycolysis and carbohydrate degradation. This is a unidirectional and rate-limiting step in glycolysis. Allosteric kinetics control activation by ADP, AMP, or fructose bisphosphate and inhibition by ATP or citrate. The enzyme exists as a homotetramer. |
| <b>Synonyms:</b>     | goat anti-Fructose-6-Phosphate Kinase Antibody biotin Conjugation, biotin Conjugation goat anti-Fructose-6-Phosphate Kinase Antibody, 6 Phosphofructokinase Muscle Type antibody, GSD7 antibody, MGC8699 antibody, PFKA antibody, PFKL antibody, PFKM antibody, PFKP antibody, PFKX antibody, Phosphofructo 1 Kinase Isozyme A antibody, Phosphofructokinase 1 antibody                                                                                                                 |
| <b>Host Species:</b> | Goat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Conjugate:</b>    | Biotin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

**Target Details**

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| <b>Gene Name:</b>      | PFKM           |
| <b>Reactivity:</b>     | Rabbit         |
| <b>Immunogen Type:</b> | Native Protein |

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| <b>Immunogen:</b>          | Fructose-6-Phosphate Kinase [Rabbit Muscle]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Purity/Specificity:</b> | Anti-Fructose-6-Phosphate Kinase 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-Biotin, 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 sources may occur but have not been specifically determined. |
| <b>Relevant Links:</b>     | <ul style="list-style-type: none"><li>• <a href="#">UniProtKB - P00511</a></li><li>• <a href="#">NCBI - 125128</a></li><li>• <a href="#">GeneID - 100345647</a></li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                              |

## Application Details

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| <b>Application Note:</b> | Anti-Fructose-6-Phosphate Kinase antibody is suitable for use in ELISA, immunofluorescence microscopy and western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 48 kDa in size corresponding to the processed mature form of F6PK protein by western blotting in the appropriate cell lysate or extract. |
| <b>Assay Dilutions:</b>  | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                                                                                                                                                                      |
| <b>ELISA:</b>            | 1:4,000 - 1:20,000                                                                                                                                                                                                                                                                                                                                                   |
| <b>WB:</b>               | 1:500 - 1:2,000                                                                                                                                                                                                                                                                                                                                                      |

## Formulation

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| <b>Physical State:</b>        | Lyophilized                                                            |
| <b>Concentration:</b>         | 10.0 mg/mL by UV absorbance at 280 nm                                  |
| <b>Buffer:</b>                | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2             |
| <b>Preservative:</b>          | 0.01% (w/v) Sodium Azide                                               |
| <b>Stabilizer:</b>            | 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free |
| <b>Reconstitution Volume:</b> | 1.0 mL                                                                 |
| <b>Reconstitution Buffer:</b> | Restore with deionized water (or equivalent)                           |

## Shipping & Handling

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| <b>Shipping Condition:</b> | Ambient |
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| <b>Storage Condition:</b> | Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. |
| <b>Expiration:</b>        | Expiration date is one (1) year from date of receipt.                                                                                                                                                                                                                                                                                           |

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## Disclaimer

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