

## Mouse Pyruvate Kinase ELISA Kit | PK elisa kit

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CATALOG #  
**AAA85484**

REACTIVITY  
**Mouse**

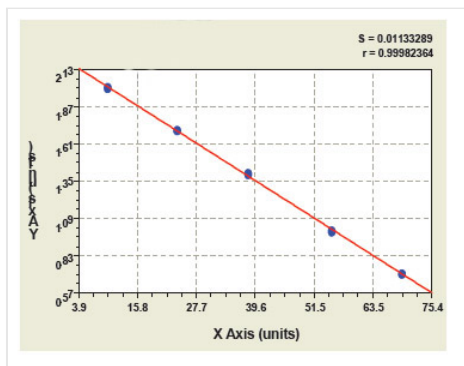
### PRODUCT SYNONYMS

Pyruvate Kinase; Mouse Pyruvate Kinase ELISA Kit; PK elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                              |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                         |
| Assay Type              | Competitive                                                                                                                                                                        |
| Detection Range         | 5.0-100 U/L                                                                                                                                                                        |
| Sensitivity             | 1.0U/L                                                                                                                                                                             |
| Intended Uses           | This PK ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of mouse PK. 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 PK elisa kit

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

## NCBI AND UNIPROT INFORMATION

|                           |                             |
|---------------------------|-----------------------------|
| NCBI GI #                 | <a href="#">39937253</a>    |
| NCBI GeneID               | <a href="#">2692385</a>     |
| NCBI Accession #          | <a href="#">NP_949529.1</a> |
| NCBI GenBank Nucleotide # | <a href="#">NC_005296.1</a> |
| NCBI Official Full Name   | pyruvate kinase             |
| NCBI Official Symbol      | pyk                         |
| NCBI Protein Information  | pyruvate kinase             |

**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.

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Online datasheet: <https://stage.aaabiotech.com/pk-mouse-elisa-kits/pyruvate-kinase/85484>