

## Mouse Hexokinase ELISA Kit | HK elisa kit

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CATALOG #  
**AAA83423**

REACTIVITY  
**Mouse**

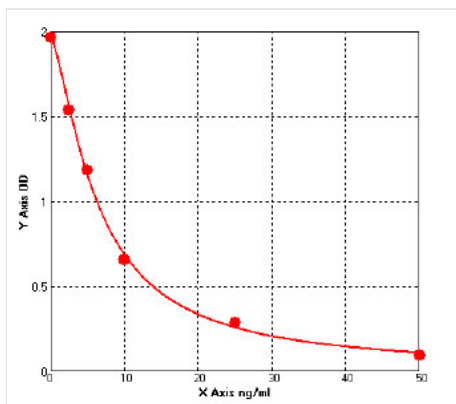
### PRODUCT SYNONYMS

Hexokinase; Mouse Hexokinase ELISA Kit; HK elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                                                                                                                                                                                                                              |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of HK. No significant cross-reactivity or interference between HK and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between HK and all the analogues, therefore, cross reaction may still exist in some cases. |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                           |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                         |
| Sensitivity             | 0.1 ng/mL                                                                                                                                                                                                                                                                                                                                                                          |
| Intended Uses           | This HK ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of mouse HK. 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 HK elisa kit | <p>Principle of the Assay: HK ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-HK antibody and an HK-HRP conjugate. The assay sample and buffer are incubated together with HK-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 HK concentration since HK from samples and HK-HRP conjugate compete for the anti-HK antibody binding site. Since the number of sites is limited, as more sites are occupied by HK from the sample, fewer sites are left to bind HK-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HK concentration in each sample is interpolated from this standard curve.</p> <p>Intended Uses: This HK ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse HK. This ELISA kit for research use only, not for therapeutic or test applications!</p> |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                               |                                                 |
|-------------------------------|-------------------------------------------------|
| NCBI GI #                     | 15235722                                        |
| NCBI GeneID                   | 829940                                          |
| NCBI Accession #              | NP_195497.1                                     |
| NCBI GenBank Nucleotide #     | NM_119945.1                                     |
| Molecular Weight              | 54,241 Da                                       |
| NCBI Official Full Name       | hexokinase-like 3                               |
| NCBI Official Symbol          | HKL3                                            |
| NCBI Official Synonym Symbols | hexokinase-like 3; HKL3; T28I19.120; T28I19_120 |
| NCBI Protein Information      | hexokinase-like 3                               |
| UniProt Protein Name          | Probable hexokinase-like 2 protein              |
| UniProt Entry Name            | HXKL2_ARATH                                     |

**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.