

## Rat HK1 ELISA Kit | HK1 elisa kit

Rat HK1 (Hexokinase 1) ELISA Kit

CATALOG #  
**AAA163577**

REACTIVITY  
**Rat**

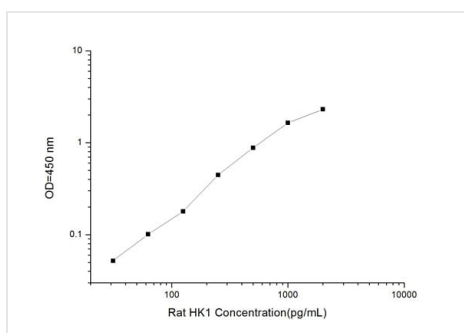
### PRODUCT SYNONYMS

HK1; Rat HK1 (Hexokinase 1) ELISA Kit; HK1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                                                                                                                                                                                                                                  |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Rat HK1. No significant cross-reactivity or interference between Rat HK1 and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross- reactivity detection between Rat HK1 and all the analogues, therefore, cross reaction may still exist. |
| Sequence Length         | 917                                                                                                                                                                                                                                                                                                                                                                                  |
| Samples                 | Serum, Plasma, Biological Fluids                                                                                                                                                                                                                                                                                                                                                     |
| Assay Type              | Sandwich                                                                                                                                                                                                                                                                                                                                                                             |
| Detection Range         | 31.25-2000pg/mL                                                                                                                                                                                                                                                                                                                                                                      |
| Sensitivity             | Min: 18.75pg/mL; Max: 2000pg/mL                                                                                                                                                                                                                                                                                                                                                      |
| Preparation and Storage | Store at 4 degree C.                                                                                                                                                                                                                                                                                                                                                                 |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for HK1 elisa kit | <p><b>Description:</b> The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of HK1 in Rat serum, plasma and other biological fluids</p> <p><b>Principle of the Assay:</b> This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Rat HK1. Standards or samples are added to the appropriate micro ELISA plate wells and bound by the specific antibody. Then a biotinylated detection antibody specific for Rat HK1 and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Rat HK1, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Rat HK1. You can calculate the concentration of Rat HK1 in the samples by comparing the OD of the samples to the standard curve.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                 |
|----------------------------------|---------------------------------------------------------------------------------|
| NCBI GI #                        | 188497754                                                                       |
| NCBI GeneID                      | 3098                                                                            |
| NCBI Accession #                 | NP_000179.2                                                                     |
| NCBI GenBank Nucleotide #        | NM_000188.2                                                                     |
| UniProt Accession #              | P19367; O43443; O43444; O75574; Q5VTC3; Q96HC8; Q9NNZ4; Q9NNZ5; E9PCK0          |
| Molecular Weight                 | 101,085 Da                                                                      |
| NCBI Official Full Name          | hexokinase-1 isoform HKI                                                        |
| NCBI Official Synonym Full Names | hexokinase 1                                                                    |
| NCBI Official Symbol             | HK1                                                                             |
| NCBI Official Synonym Symbols    | HKD; HKI; HXK1; HMSNR; HK1-ta; HK1-tb; HK1-tc                                   |
| NCBI Protein Information         | hexokinase-1; HK I; brain form hexokinase; glycolytic enzyme; hexokinase type I |
| UniProt Protein Name             | Hexokinase-1                                                                    |
| UniProt Gene Name                | HK1                                                                             |
| UniProt Synonym Gene Names       | HK I                                                                            |
| UniProt Entry Name               | HXK1_HUMAN                                                                      |

**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.