

## Human Hexokinase 3 ELISA Kit | HK3 elisa kit

Human Hexokinase 3 ELISA Kit

CATALOG #  
**AAA82426**

REACTIVITY  
**Human**

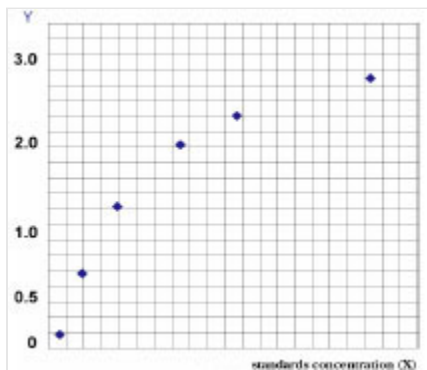
### PRODUCT SYNONYMS

Hexokinase 3; Human Hexokinase 3 ELISA Kit; HK3 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Human                                                                      |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate |
| Assay Type              | Competitive                                                                |
| Detection Range         | 1.0-25ng/mL                                                                |
| Sensitivity             | 0.1ng/mL                                                                   |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| Related Product Information for HK3 elisa kit | <p><b>Intended Uses:</b> This HK3 ELISA kit is intended Laboratory for research use only. The Stop Solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration ofHK3 in the sample, thisHK3 ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versusHK3 concentration. The concentration ofHK3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> <p><b>Principle of the Assay:</b> This HK3 enzyme linked immunosorbent assay applies a technique called a quantitative sandwich immunoassay. The microtiter plate provided in this kit has been pre-coated with a monoclonal antibody specific forHK3. Standards or samples are then added to the microtiter plate wells andHK3 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount ofHK3 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific forHK3 are added to each well to "sandwich" theHK3 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, A and B substrate solution is added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that containHK3 and enzyme-conjugated antibody will exhibit a change in colour. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the colour change is measured spectrophotometrically at a wavelength of 450 nm.</p> |
| Product Categories/Family for HK3 elisa kit   | Signal Transduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                              |
|----------------------------------|------------------------------------------------------------------------------|
| NCBI GI #                        | 194097330                                                                    |
| NCBI GeneID                      | 3101                                                                         |
| NCBI Accession #                 | NP_002106.2                                                                  |
| NCBI GenBank Nucleotide #        | NM_002115.2                                                                  |
| Molecular Weight                 | 99,025 Da                                                                    |
| NCBI Official Full Name          | hexokinase-3                                                                 |
| NCBI Official Synonym Full Names | hexokinase 3 (white cell)                                                    |
| NCBI Official Symbol             | HK3                                                                          |
| NCBI Official Synonym Symbols    | HXK3; HKIII                                                                  |
| NCBI Protein Information         | hexokinase-3; HK III; hexokinase type III; ATP:D-hexose 6-phosphotransferase |
| UniProt Protein Name             | Hexokinase-3                                                                 |
| UniProt Gene Name                | <b>HK3</b>                                                                   |
| UniProt Synonym Gene Names       | HK III                                                                       |
| UniProt Entry Name               | HXK3_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.

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Online datasheet: <https://stage.aaabiotech.com/hk3-human-elisa-kits/hexokinase-3/82426>