

## Human Glucose 6 Phosphate Dehydrogenase ELISA Kit | G6PD elisa kit

Human Glucose 6 Phosphate Dehydrogenase ELISA Kit

CATALOG #  
**AAA89773**

REACTIVITY  
**Human**

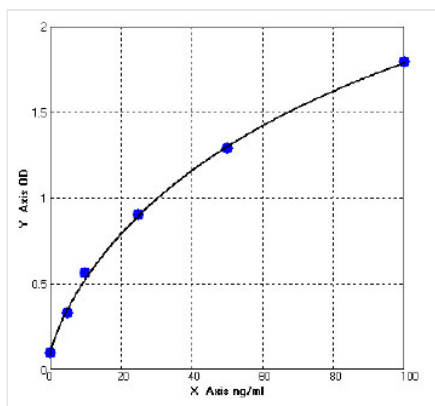
### PRODUCT SYNONYMS

Glucose 6 Phosphate Dehydrogenase; Human Glucose 6 Phosphate Dehydrogenase ELISA Kit; G6PD elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                          |
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| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                    |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of G6PD. No significant cross-reactivity or interference between G6PD and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between G6PD and all the analogues, therefore, cross reaction may still exist in some cases. |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                               |
| Assay Type              | Quantitative Competitive or Sandwich                                                                                                                                                                                                                                                                                                                                                     |
| Sensitivity             | 1.0 ng/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 G6PD elisa kit | <p>Intended Uses: This G6PD ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human G6PD. This ELISA kit for research use only, not for therapeutic or test applications!</p> <p>Principle of the Assay: G6PD ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for G6PD. Standards or samples are then added to the microtiter plate wells and G6PD if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of G6PD present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for G6PD are added to each well to "sandwich" the G6PD immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain G6PD and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The G6PD concentration in each sample is interpolated from this standard curve.</p> |
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NCBI AND UNIPROT INFORMATION

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|-------------------------|-------------------------------------|
| NCBI GI #               | 3021532                             |
| UniProt Accession #     | O65856                              |
| Molecular Weight        | 66,801 Da                           |
| NCBI Official Full Name | glucose-6-phosphate dehydrogenase   |
| UniProt Protein Name    | Glucose-6-phosphate 1-dehydrogenase |
| UniProt Entry Name      | O65856_TOBAC                        |

**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/g6pd-human-elisa-kits/glucose-6-phosphate-dehydrogenase/89773>