

## Human Ribose-5-phosphate isomerase ELISA Kit | RPIA elisa kit

Human Ribose-5-phosphate isomerase ELISA Kit

CATALOG #  
**AAA193752**

REACTIVITY  
**Human**

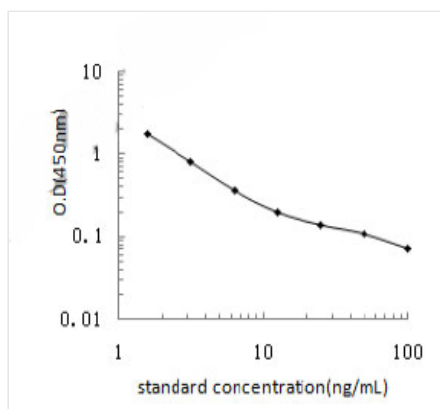
### PRODUCT SYNONYMS

Ribose-5-phosphate isomerase; Human Ribose-5-phosphate isomerase ELISA Kit; Phosphoriboisomerase; RPIA; RPI; 5.3.1.6; RPIA elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                 |
| Specificity             | Recombinant and natural Human Ribose-5-phosphate isomerase, RPIA                      |
| Sequence Length         | 311                                                                                   |
| Samples                 | Serum, plasma, tissue homogenates, cell culture supernates or other biological fluids |
| Assay Type              | Quantitative Competitive                                                              |
| Detection Range         | 1.56 ng/mL - 100 ng/mL                                                                |
| Sensitivity             | < 0.95 ng/mL                                                                          |
| Intra-assay Precision   | <=5.4%                                                                                |
| Inter-assay Precision   | <=10.8%                                                                               |
| Preparation and Storage | For long term storage, please store the entire kit at -20 degree C.                   |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for RPIA elisa kit | <p>Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of target antigen concentrations in serum, plasma, tissue homogenates, cell culture supernates or other biological fluids.</p> <p>Principle of the Assay: The ELISA is based on the competitive binding enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to target antigen, During the reaction, target antigen in the sample or standard competes with a fixed amount of biotin-labeled target antigen for sites on a pre-coated antibody specific to target antigen. Excess conjugate and unbound sample or standard are washed from the plate. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of target antigen in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                |
|----------------------------------|--------------------------------|
| NCBI GI #                        | 94536842                       |
| NCBI GeneID                      | 22934                          |
| NCBI Accession #                 | NP_653164.2                    |
| NCBI GenBank Nucleotide #        | NM_144563.2                    |
| UniProt Accession #              | P49247; Q541P9; Q96BJ6         |
| Molecular Weight                 | 33,269 Da                      |
| NCBI Official Full Name          | ribose-5-phosphate isomerase   |
| NCBI Official Synonym Full Names | ribose 5-phosphate isomerase A |
| NCBI Official Symbol             | RPIA                           |
| NCBI Official Synonym Symbols    | RPI; RPIAD                     |
| NCBI Protein Information         | ribose-5-phosphate isomerase   |
| UniProt Protein Name             | Ribose-5-phosphate isomerase   |
| UniProt Gene Name                | RPIA                           |
| UniProt Synonym Gene Names       | RPI                            |
| UniProt Entry Name               | RPIA_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/rpia-human-elisa-kits/ribose-5-phosphate-isomerase/193752>