

## Human Ribosomal Protein, Large, P0 ELISA Kit | RPLP0 elisa kit

Human Ribosomal Protein, Large, P0 (RPLP0) (Sandwich ELISA) ELISA Kit

CATALOG #  
**AAA189922**

REACTIVITY  
**Human**

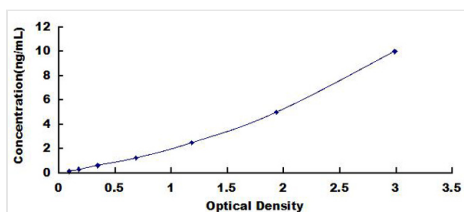
### PRODUCT SYNONYMS

Ribosomal Protein; Large; P0; Human Ribosomal Protein; P0 (RPLP0) (Sandwich ELISA) ELISA Kit; L10E; RPP0; Acidic Ribosomal Phosphoprotein P0; 60S ribosomal protein L10E; ELISA Kit for Ribosomal Protein; P0 (RPLP0); RPLP0 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                                                                                                              |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Ribosomal Protein, Large, P0 (RPLP0). No significant cross-reactivity or interference between Ribosomal Protein, Large, P0 (RPLP0) and analogues was observed. Reactive with Human RPLP0 / Ribosomal Protein, Large, P0 |
| Assay Type              | Double-antibody Sandwich                                                                                                                                                                                                                                                                           |
| Samples                 | Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids                                                                                                                                                                                                              |
| Detection Range         | 0.156-10ng/mL                                                                                                                                                                                                                                                                                      |
| Sensitivity             | 0.057ng/mL                                                                                                                                                                                                                                                                                         |
| Detection Method        | Colormetric                                                                                                                                                                                                                                                                                        |
| Assay Precision         | Intra-Assay: CV<10%, Inter-Assay: CV<12%                                                                                                                                                                                                                                                           |
| Preparation and Storage | 4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year                                                                                                                                                                                                      |

### IMAGES



Standard Curve (Sample)

Typical Standard Curve for RPLP0 ELISA (Sandwich)

### ADDITIONAL INFORMATION

#### Related Product Information for RPLP0 elisa kit

**Principle of the Assay**||The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Ribosomal Protein, Large, P0 (RPLP0). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Ribosomal Protein, Large, P0 (RPLP0). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Ribosomal Protein, Large, P0 (RPLP0), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm  $\pm$  10nm. The concentration of Ribosomal Protein, Large, P0 (RPLP0) in the samples is then determined by comparing the O.D. of the samples to the standard curve.

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                 |
|----------------------------------|-------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4506667                                                                                         |
| NCBI GeneID                      | 6175                                                                                            |
| NCBI Accession #                 | NP_000993.1                                                                                     |
| NCBI GenBank Nucleotide #        | NM_001002.3                                                                                     |
| UniProt Accession #              | P05388; Q3B7A4; Q9BVK4                                                                          |
| Molecular Weight                 | 27,436 Da                                                                                       |
| NCBI Official Full Name          | 60S acidic ribosomal protein P0                                                                 |
| NCBI Official Synonym Full Names | ribosomal protein, large, P0                                                                    |
| NCBI Official Symbol             | RPLP0                                                                                           |
| NCBI Official Synonym Symbols    | P0; LP0; L10E; RPP0; PRLP0                                                                      |
| NCBI Protein Information         | 60S acidic ribosomal protein P0; 60S ribosomal protein L10E; acidic ribosomal phosphoprotein P0 |
| UniProt Protein Name             | 60S acidic ribosomal protein P0                                                                 |
| UniProt Gene Name                | <b>RPLP0</b>                                                                                    |
| UniProt Entry Name               | RLA0_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.