

## Human Glycoprotein A33 (GPA33) ELISA Kit | GPA33 elisa kit

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CATALOG #  
**AAA14052**

REACTIVITY  
**Human**

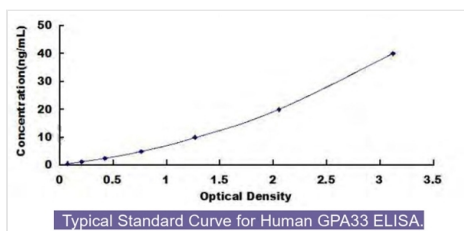
### PRODUCT SYNONYMS

Glycoprotein A33 (GPA33); Human Glycoprotein A33 (GPA33) ELISA Kit; Cell surface A33 antigen; GPA33 elisa kit

### PRODUCT SPECIFICATIONS

|                       |                                                                                                                                                                                                           |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity            | Human                                                                                                                                                                                                     |
| Specificity           | This assay has high sensitivity and excellent specificity for detection of GPA33. No significant cross-reactivity or interference between GPA33 and analogues was observed.                               |
| Sequence Length       | 319                                                                                                                                                                                                       |
| Assay Type            | Quantitative Sandwich                                                                                                                                                                                     |
| Samples               | Human tissue homogenates, cell lysates or other biological fluids                                                                                                                                         |
| Detection Range       | 0.625-40ng/mL                                                                                                                                                                                             |
| Sensitivity           | < 0.238ng/mL                                                                                                                                                                                              |
| Intra-assay Precision | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GPA33 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%                                   |
| Inter-assay Precision | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level GPA33 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12% |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for GPA33 elisa kit

**Principle of the Assay:** The microtiter plate provided in this kit has been pre-coated with an antibody specific to GPA33. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to GPA33. 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 GPA33, 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 GPA33 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

**Intended Uses:** The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of GPA33 in human tissue homogenates, cell lysates or other biological fluids.

NCBI AND UNIPROT INFORMATION

|                                  |                          |
|----------------------------------|--------------------------|
| NCBI GI #                        | 5031561                  |
| NCBI GeneID                      | 10223                    |
| NCBI Accession #                 | NP_005805.1              |
| NCBI GenBank Nucleotide #        | NM_005814.2              |
| UniProt Accession #              | Q99795; Q5VZP6           |
| Molecular Weight                 | 35,632 Da                |
| NCBI Official Full Name          | cell surface A33 antigen |
| NCBI Official Synonym Full Names | glycoprotein A33         |
| NCBI Official Symbol             | GPA33                    |
| NCBI Official Synonym Symbols    | A33                      |
| NCBI Protein Information         | cell surface A33 antigen |
| UniProt Protein Name             | Cell surface A33 antigen |
| UniProt Gene Name                | GPA33                    |

**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://www.aaabiotech.com/human-elisa-kits/glycoprotein-a33-gpa33/14052>