

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

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CATALOG #
AAA14052

REACTIVITY
Human

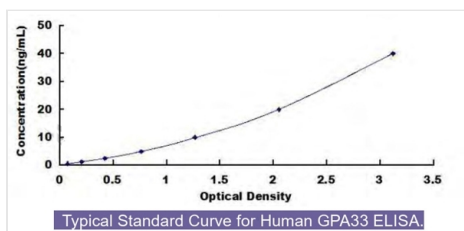
PRODUCT SYNONYMS

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