

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

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CATALOG #
AAA187429

REACTIVITY
Rat

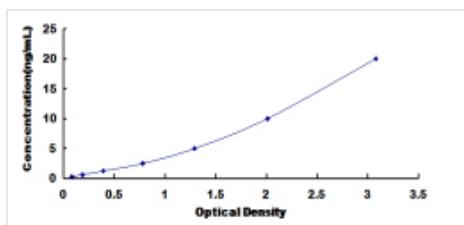
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Glycoprotein A33 (GPA33). No significant cross-reactivity or interference between Glycoprotein A33 (GPA33) and analogues was observed.
Sequence Length	319
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.112ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Glycoprotein A33 (GPA33) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Glycoprotein A33 (GPA33) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GPA33 elisa kit	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 Glycoprotein A33 (GPA33). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Glycoprotein A33 (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 Glycoprotein A33 (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 ± 10nm. The concentration of Glycoprotein A33 (GPA33) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	76828075
NCBI GeneID	10223
UniProt Accession #	Q99795; Q5VZP6
Molecular Weight	35,632 Da
NCBI Official Full Name	Glycoprotein A33 (transmembrane)
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/rat-elisa-kits/glycoprotein-a33-gpa33/187429>