

Human Cell surface A33 antigen ELISA Kit | GPA33 elisa kit

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CATALOG #
AAA98911

REACTIVITY
Human

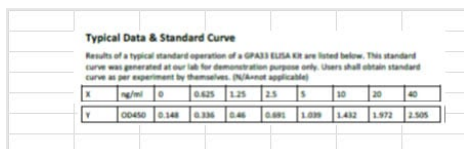
PRODUCT SYNONYMS

Cell surface A33 antigen; Human Cell surface A33 antigen ELISA Kit; GPA33/A33/Glycoprotein A33/glycoprotein A33 (transmembrane)/transmembrane glycoprotein A33; 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	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.625-40ng/ml
Sensitivity	0.375ng/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<8%
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<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GPA33 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-GPA33 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-GPA33 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the GPA33 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of GPA33 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5031561
NCBI GeneID	10223
NCBI Accession #	NP_005805.1
NCBI GenBank Nucleotide #	NM_005814.2
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
UniProt Entry Name	GPA33_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/gpa33-human-elisa-kits/cell-surface-a33-antigen/98911>