

Guinea Pig Anti-Glycolipid AutoAntibody ELISA Kit | AGA elisa kit

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CATALOG #
AAA83738

REACTIVITY
Guinea Pig

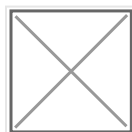
PRODUCT SYNONYMS

Anti-Glycolipid AutoAntibody; Guinea pig Anti-Glycolipid AutoAntibody ELISA Kit; AGA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5-100ng/mL
Sensitivity	1.0ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AGA elisa kit

For Samples: Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma

Intended Uses: This AGA ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of AGA in the sample, this AGA ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus AGA concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Principle of the Assay: The coated well immunoenzymatic assay for the quantitative measurement of AGA utilizes a monoclonal anti-AGA antibody and an AGA-HRP conjugate. The assay sample and buffer are incubated together with AGA-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the AGA concentration since AGA from samples and AGA-HRP conjugate compete for the anti-AGA antibody binding site. Since the number of sites is limited, as more sites are occupied by AGA from the sample, fewer sites are left to bind AGA-HRP conjugate. Standards of known AGA concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (Optical Density) to the concentration of AGA. The AGA concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	49456391
NCBI GeneID	175
UniProt Accession #	P20933; Q4W5Q2; Q6FHN6; Q9UCK6; Q9UCK7; Q9UCK8; B2R7H2; D3DP47
Molecular Weight	37,208 Da
NCBI Official Full Name	AGA, partial
NCBI Official Synonym Full Names	aspartylglucosaminidase
NCBI Official Symbol	AGA
NCBI Official Synonym Symbols	GA; AGU; ASRG
NCBI Protein Information	N(4)-(beta-N-acetylglucosaminy)-L-asparaginase; N(4)-(beta-N-acetylglucosaminy)-L-asparaginase; glycosylasparaginase; aspartylglucosylamine deaspartylase; N4-(N-acetyl-beta-glucosaminy)-L-asparagine amidase
UniProt Protein Name	N(4)-(beta-N-acetylglucosaminy)-L-asparaginase
UniProt Gene Name	AGA
UniProt Entry Name	ASPG_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/aga-guinea-pig-pig-elisa-kits/anti-glycolipid-autoantibody/83738>