

Rat N-Acetylgalactosaminidase Alpha ELISA Kit | NAGa elisa kit

Rat N-Acetylgalactosaminidase Alpha (NAGa) (Sandwich ELISA) ELISA Kit

CATALOG #
AAA189927

REACTIVITY
Rat

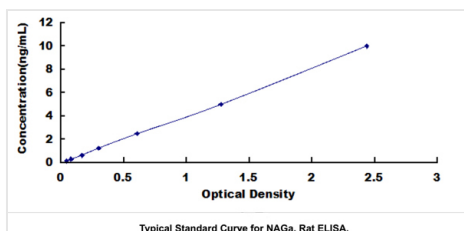
PRODUCT SYNONYMS

N-Acetylgalactosaminidase Alpha; Rat N-Acetylgalactosaminidase Alpha (NAGa) (Sandwich ELISA) ELISA Kit; Alpha-N-Acetylgalactosaminidase; Alpha-galactosidase B; ELISA Kit for N-Acetylgalactosaminidase Alpha (NAGa); NAGa elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of NAGa. No significant cross-reactivity or interference between NAGa and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.057ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NAGa 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 NAGa were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NAGa elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to NAGa. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to NAGa. 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 NAGa, 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 NAGa 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 in vitro quantitative measurement of NAGa in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for NAGa elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	58865810
NCBI GeneID	315165
NCBI Accession #	NP_001012120.1
NCBI GenBank Nucleotide #	NM_001012120.1
UniProt Accession #	Q66H12
Molecular Weight	46,871 Da
NCBI Official Full Name	alpha-N-acetylgalactosaminidase
NCBI Official Synonym Full Names	N-acetyl galactosaminidase, alpha
NCBI Official Symbol	Naga
NCBI Protein Information	alpha-N-acetylgalactosaminidase; alpha-galactosidase B
UniProt Protein Name	Alpha-N-acetylgalactosaminidase
UniProt Gene Name	Naga
UniProt Entry Name	NAGAB_RAT

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/naga-rat-elisa-kits/n-acetylgalactosaminidase-alpha/189927>