

Rat N-acetyl-beta-D-glucosaminidase ELISA Kit | NAG elisa kit

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CATALOG #
AAA16175

REACTIVITY
Rat

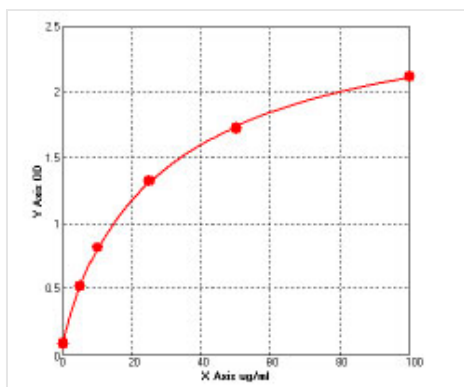
PRODUCT SYNONYMS

N-acetyl-beta-D-glucosaminidase; Rat N-acetyl-beta-D-glucosaminidase ELISA Kit; Rat N-acetyl-b-D-glucosaminidase ELISA Kit; NAG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of NAG. No significant cross-reactivity or interference between NAG and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between NAG and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive or Sandwich
Sensitivity	0.1?g/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NAG elisa kit	Intended Uses: This NAG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat NAG. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: NAG ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for NAG. Standards or samples are then added to the microtiter plate wells and NAG if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of NAG present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for NAG are added to each well to "sandwich" the NAG immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain NAG and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NAG concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	2506027
Molecular Weight	137,535 Da
NCBI Official Full Name	NAG, partial
UniProt Protein Name	Bifunctional autolysin
UniProt Gene Name	atl
UniProt Synonym Gene Names	nag
UniProt Entry Name	ATL_STAAU

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/nag-rat-elisa-kits/n-acetyl-beta-d-glucosaminidase/16175>