

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

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CATALOG #
AAA15078

REACTIVITY
Human

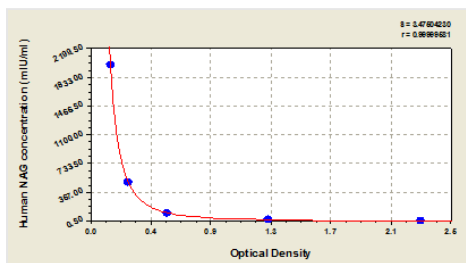
PRODUCT SYNONYMS

N-acetyl-beta-D-glucosaminidase; NAG; Human N-acetyl-beta-D-glucosaminidase; NAG ELISA Kit; ENC-1AS; N-acetyl-beta-glucosaminidase; hexosaminidase B; Beta-hexosaminidase subunit beta (HEXB) ; NAG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human NAG. No significant cross-reactivity or interference between human NAG and analogues was observed.
Sequence Length	556
Assay Type	Competitive
Samples	Serum, urine
Detection Range	7.81 mIU/ml-2000 mIU/ml
Sensitivity	< 7.81 mIU/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<12%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<15%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NAG elisa kit

Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antigen. Standards or samples are added to the appropriate microtiter plate wells with antibody specific for NAG and Horseradish Peroxidase (HRP) conjugated goat-anti-mouse antibody. The competitive inhibition reaction is launched between with pre-coated NAG and NAG in samples. A substrate solution is added to the wells and the color develops in opposite to the amount of NAG in the sample. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504373
NCBI GeneID	3074
NCBI Accession #	NP_000512.1
NCBI GenBank Nucleotide #	NM_000521.3
UniProt Accession #	P07686
Molecular Weight	63,111 Da
NCBI Official Full Name	beta-hexosaminidase subunit beta isoform 1 preproprotein
NCBI Official Synonym Full Names	hexosaminidase B (beta polypeptide)
NCBI Official Symbol	HEXB
NCBI Official Synonym Symbols	ENC-1AS; HEL-248
NCBI Protein Information	beta-hexosaminidase subunit beta; HCC-7; hexosaminidase subunit B; epididymis luminal protein 248; beta-N-acetylhexosaminidase subunit beta; cervical cancer proto-oncogene 7 protein; N-acetyl-beta-glucosaminidase subunit beta
UniProt Protein Name	Beta-hexosaminidase subunit beta
UniProt Gene Name	HEXB
UniProt Synonym Gene Names	HCC7; Hexosaminidase subunit B; HCC-7
UniProt Entry Name	HEXB_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/human-elisa-kits/n-acetyl-beta-d-glucosaminidase-nag/15078>