Human N-Acetyl-D-Glucosamine Kinase (NAGK) ELISA Kit | NAGK elisa kit

Human N-Acetyl-D-Glucosamine Kinase (NAGK) ELISA Kit

CATALOG #	REACTIVITY
AAA331552	**Human**

PRODUCT SYNONYMS

N-Acetyl-D-Glucosamine Kinase (NAGK); Human N-Acetyl-D-Glucosamine Kinase (NAGK) ELISA Kit; NAGK; GNK; HSA242910; N-Acetylglucosamine kinase; NAGK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human N-acetyl-D-glucosamine kinase (NAGK) ELISA Kit has high sensitivity and excellent specificity for detection of Human NAGK. No significant cross-reactivity or interference between Human NAGK and analogues was observed.
Sequence Length	390
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES

Standard Curve (Sample)
Fig.1. Human N-acetyl-D-glucosamine kinase (NAGK) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for NAGK elisa kit	Description: This Human N-acetyl-D-glucosamine kinase (NAGK) ELISA Kit employs a two-site sandwich ELISA to quantitate NAGK in samples. An antibody specific for NAGK has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any NAGK present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for NAGK is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of NAGK bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: NAGK encodes a member of the N-acetylhexosamine kinase family. N-acetyl-D-glucosamine kinase catalyzes the conversion of N-acetyl-D-glucosamine to N-acetyl-D-glucosamine 6-phosphate, and is the major mammalian enzyme which recovers amino sugars.

NCBI AND UNIPROT INFORMATION

NCBI GI #	295844834
NCBI GeneID	55577
NCBI Accession #	NP_060037.3
NCBI GenBank Nucleotide #	NP_060037.3
UniProt Accession #	Q9UJ70
NCBI Official Full Name	N-acetyl-D-glucosamine kinase isoform 1
NCBI Official Synonym Full Names	N-acetylglucosamine kinase
NCBI Official Symbol	NAGK
NCBI Official Synonym Symbols	GNK; HSA242910
NCBI Protein Information	N-acetyl-D-glucosamine kinase
UniProt Protein Name	N-acetyl-D-glucosamine kinase
UniProt Gene Name	**NAGK**
UniProt Synonym Gene Names	N-acetylglucosamine kinase
UniProt Entry Name	NAGK_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-d-glucosamine-kinase-nagk/331552