

Mouse Bifunctional UDP-N-acetylglucosamine 2-epimerase/N-acetylmannosamine kinase (GNE) ELISA Kit | GNE elisa kit

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CATALOG #
AAA245388

REACTIVITY
Mouse

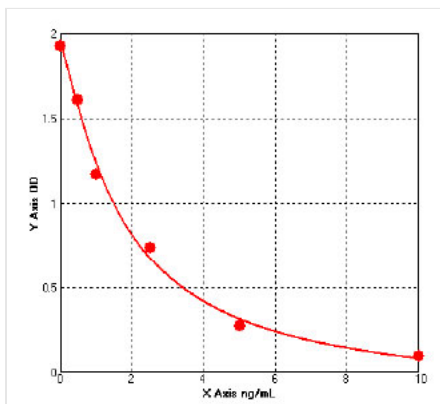
PRODUCT SYNONYMS

Bifunctional UDP-N-acetylglucosamine 2-epimerase/N-acetylmannosamine kinase (GNE); Mouse Bifunctional UDP-N-acetylglucosamine 2-epimerase/N-acetylmannosamine kinase (GNE) ELISA Kit; GNE elisa kit

PRODUCT SPECIFICATIONS

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

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GNE elisa kit	Principle of the Assay: GNE ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-GNE antibody and an GNE-HRP conjugate. The assay sample and buffer are incubated together with GNE-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 GNE concentration since GNE from samples and GNE-HRP conjugate compete for the anti-GNE antibody binding site. Since the number of sites is limited, as more sites are occupied by GNE from the sample, fewer sites are left to bind GNE-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GNE concentration in each sample is interpolated from this standard curve. Intended Uses: This GNE ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse GNE. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for GNE elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	298566325
NCBI GeneID	10020
NCBI Accession #	NP_001177317.1
NCBI GenBank Nucleotide #	NM_001190388.1
Molecular Weight	66,784 Da
NCBI Official Full Name	bifunctional UDP-N-acetylglucosamine 2-epimerase/N-acetylmannosamine kinase isoform 3
NCBI Official Synonym Full Names	glucosamine (UDP-N-acetyl)-2-epimerase/N-acetylmannosamine kinase
NCBI Official Symbol	GNE
NCBI Official Synonym Symbols	NM; DMRV; IBM2; Uae1; GLCNE
NCBI Protein Information	bifunctional UDP-N-acetylglucosamine 2-epimerase/N-acetylmannosamine kinase; N-acylmannosamine kinase; UDP-GlcNAc-2-epimerase/ManAc kinase; UDP-N-acetylglucosamine-2-epimerase/N-acetylmannosamine kinase
UniProt Protein Name	Bifunctional UDP-N-acetylglucosamine 2-epimerase/N-acetylmannosamine kinase
UniProt Gene Name	GNE
UniProt Synonym Gene Names	GLCNE
UniProt Entry Name	GLCNE_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/mouse-elisa-kits/bifunctional-udp-n-acetylglucosamine-2-epimerase-n-acetylmannosamine-kinase-gne/245388>