Human N-Acetylaspartate Synthetase (NAT8L) ELISA Kit | NAT8L elisa kit

Human N-Acetylaspartate Synthetase (NAT8L) ELISA Kit

CATALOG #	REACTIVITY
AAA331527	**Human**

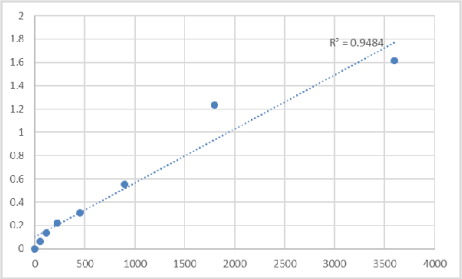
PRODUCT SYNONYMS

N-Acetylaspartate Synthetase (NAT8L); Human N-Acetylaspartate Synthetase (NAT8L) ELISA Kit; NAT8L; CML3; FLJ37478; MGC117272; NAT8-LIKE; NAT8L elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human N-acetylaspartate synthetase (NAT8L) ELISA Kit has high sensitivity and excellent specificity for detection of Human NAT8L. No significant cross-reactivity or interference between Human NAT8L and analogues was observed.
Sequence Length	302
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-acetylaspartate synthetase (NAT8L) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for NAT8L elisa kit	Description: This Human N-acetylaspartate synthetase (NAT8L) ELISA Kit employs a two-site sandwich ELISA to quantitate NAT8L in samples. An antibody specific for NAT8L has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any NAT8L present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for NAT8L 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 NAT8L bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: NAT8L encodes a single-pass membrane protein, which contains a conserved sequence of the GCN5 or NAT superfamily of N-acetyltransferases and is a member of the N-acyltransferase (NAT) superfamily. N-acetylaspartate synthetase is a neuron-specific protein and is the N-acetylaspartate (NAA) biosynthetic enzyme, catalyzing the NAA synthesis from L-aspartate and acetyl-CoA. NAA is a major storage and transport form of acetyl coenzyme A specific to the nervous system. NAT8L mutation results in primary NAA deficiency (hypoacetylaspartia).

NCBI AND UNIPROT INFORMATION

NCBI GI #	259016335
NCBI GeneID	339983
UniProt Accession #	Q8N9F0
NCBI Official Full Name	N-acetylaspartate synthetase
NCBI Official Synonym Full Names	N-acetyltransferase 8 like
NCBI Official Symbol	NAT8L
NCBI Official Synonym Symbols	CML3; NACED; NAT8-LIKE
NCBI Protein Information	N-acetylaspartate synthetase
UniProt Protein Name	N-acetylaspartate synthetase
UniProt Gene Name	**NAT8L**
UniProt Synonym Gene Names	CML3; NAA synthetase
UniProt Entry Name	NAT8L_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-acetylaspartate-synthetase-nat8l/331527