

Human Arylamine N-Acetyltransferase 1 (NAT1) ELISA Kit | NAT1 elisa kit

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CATALOG #
AAA331537

REACTIVITY
Human

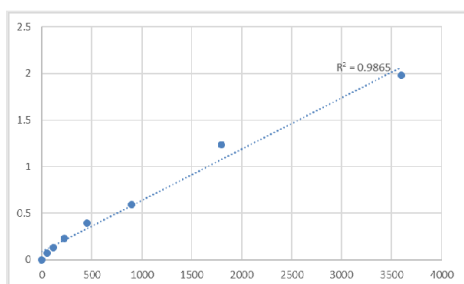
PRODUCT SYNONYMS

Arylamine N-Acetyltransferase 1 (NAT1); Human Arylamine N-Acetyltransferase 1 (NAT1) ELISA Kit; NAT1; AAC1; NATI; N-acetyltransferase 1; NAT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Arylamine N-acetyltransferase 1 (NAT1) ELISA Kit has high sensitivity and excellent specificity for detection of Human NAT1. No significant cross-reactivity or interference between Human NAT1 and analogues was observed.
Sequence Length	290
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 Arylamine N-acetyltransferase 1 (NAT1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for NAT1 elisa kit	Description: This Human Arylamine N-acetyltransferase 1 (NAT1) ELISA Kit employs a two-site sandwich ELISA to quantitate NAT1 in samples. An antibody specific for NAT1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any NAT1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for NAT1 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 NAT1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: NAT1 is one of two arylamine N-acetyltransferase (NAT) genes in the human genome, and is orthologous to the mouse and rat Nat2 genes. The enzyme encoded by this gene catalyzes the transfer of an acetyl group from acetyl-CoA to various arylamine and hydrazine substrates. This enzyme helps metabolize drugs and other xenobiotics, and functions in folate catabolism. Multiple transcript variants encoding different isoforms have been found for NAT1.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	114234
NCBI GeneID	9
UniProt Accession #	P18440
NCBI Official Full Name	Arylamine N-acetyltransferase 1
NCBI Official Synonym Full Names	N-acetyltransferase 1
NCBI Official Symbol	NAT1
NCBI Official Synonym Symbols	AAC1; MNAT; NATI; NAT-1
NCBI Protein Information	arylamine N-acetyltransferase 1
UniProt Protein Name	Arylamine N-acetyltransferase 1
UniProt Gene Name	NAT1
UniProt Synonym Gene Names	AAC1; MNAT; NAT-1
UniProt Entry Name	ARY1_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/arylamine-n-acetyltransferase-1-nat1/331537>