

Rat Nicotinamide N-methyltransferase (NNMT) ELISA Kit | NNMT elisa kit

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CATALOG #
AAA245713

REACTIVITY
Rat

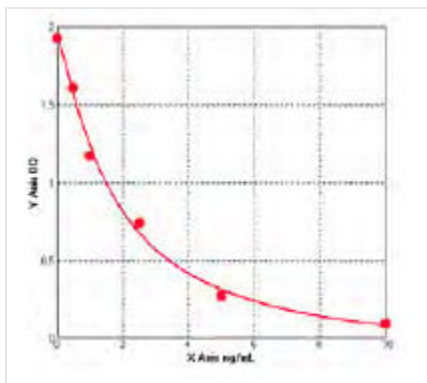
PRODUCT SYNONYMS

Nicotinamide N-methyltransferase (NNMT); Rat Nicotinamide N-methyltransferase (NNMT) ELISA Kit; NNMT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of NNMT. No significant cross-reactivity or interference between NNMT and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between NNMT and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
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 NNMT elisa kit	Intended Uses: This NNMT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of RatNNMT. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: NNMT ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-NNMT antibody and an NNMT-HRP conjugate. The assay sample and buffer are incubated together with NNMT-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 NNMT concentration since NNMT from samples and NNMT-HRP conjugate compete for the anti-NNMT antibody binding site. Since the number of sites is limited, as more sites are occupied by NNMT from the sample, fewer sites are left to bind NNMT-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NNMT concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5453790
NCBI GeneID	4837
NCBI Accession #	NP_006160.1
NCBI GenBank Nucleotide #	NM_006169.2
Molecular Weight	29,574 Da
NCBI Official Full Name	nicotinamide N-methyltransferase
NCBI Official Synonym Full Names	nicotinamide N-methyltransferase
NCBI Official Symbol	NNMT
NCBI Protein Information	nicotinamide N-methyltransferase
UniProt Protein Name	Nicotinamide N-methyltransferase
UniProt Gene Name	NNMT
UniProt Entry Name	NNMT_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/rat-elisa-kits/nicotinamide-n-methyltransferase-nnmt/245713>