

Mouse Glycine-N-Methyltransferase (GNMT) ELISA Kit | GNMT elisa kit

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CATALOG #
AAA189861

REACTIVITY
Mouse

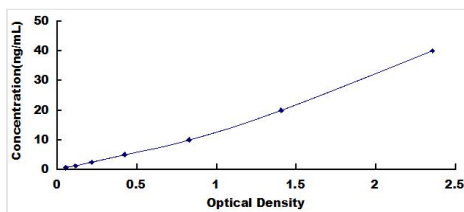
PRODUCT SYNONYMS

Glycine-N-Methyltransferase (GNMT); Mouse Glycine-N-Methyltransferase (GNMT) ELISA Kit; GNMT/Glycine-N-Methyltransferase; GNMT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of GNMT. No significant cross-reactivity or interference between GNMT and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Mouse tissue homogenates, cell lysates and other biological fluids
Detection Range	0.625-40ng/mL
Sensitivity	< 0.241ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GNMT were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level GNMT were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf Life: 8 months The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GNMT elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to GNMT. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to GNMT. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain GNMT, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of GNMT in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of GNMT in mouse tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for GNMT elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	6754026
NCBI GeneID	14711
NCBI Accession #	NP_034451.1
NCBI GenBank Nucleotide #	NM_010321.1
UniProt Accession #	Q9QXF8; Q91WN7
Molecular Weight	32,675 Da
NCBI Official Full Name	glycine N-methyltransferase
NCBI Official Synonym Full Names	glycine N-methyltransferase
NCBI Official Symbol	Gnmt
NCBI Protein Information	glycine N-methyltransferase
UniProt Protein Name	Glycine N-methyltransferase
UniProt Gene Name	Gnmt
UniProt Entry Name	GNMT_MOUSE

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/glycine-n-methyltransferase-gnmt/189861>