

Human DNA Methyltransferase 3 Like Protein (DNMT3L) ELISA Kit | DNMT3L elisa kit

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CATALOG #
AAA188306

REACTIVITY
Human

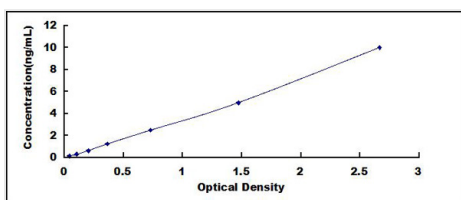
PRODUCT SYNONYMS

DNA Methyltransferase 3 Like Protein (DNMT3L); Human DNA Methyltransferase 3 Like Protein (DNMT3L) ELISA Kit; Cytosine-5-Methyltransferase 3-Like; DNA (cytosine-5)-methyltransferase 3-like; DNMT3L elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of DNA Methyltransferase 3 Like Protein (DNMT3L). No significant cross-reactivity or interference between DNA Methyltransferase 3 Like Protein (DNMT3L) and analogues was observed.
Sequence Length	386
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.060ng/mL
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level DNA Methyltransferase 3 Like Protein (DNMT3L) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level DNA Methyltransferase 3 Like Protein (DNMT3L) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: $CV < 10\%$ Inter-Assay: $CV < 12\%$
Preparation and Storage	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 DNMT3L elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to DNA Methyltransferase 3 Like Protein (DNMT3L). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to DNA Methyltransferase 3 Like Protein (DNMT3L). 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 DNA Methyltransferase 3 Like Protein (DNMT3L), 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 DNA Methyltransferase 3 Like Protein (DNMT3L) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	334302913
NCBI GeneID	29947
UniProt Accession #	Q9UJW3
NCBI Official Full Name	DNA (cytosine-5)-methyltransferase 3-like
NCBI Official Synonym Full Names	DNA methyltransferase 3 like
NCBI Official Symbol	DNMT3L
NCBI Protein Information	DNA (cytosine-5)-methyltransferase 3-like
UniProt Protein Name	DNA (cytosine-5)-methyltransferase 3-like
UniProt Gene Name	DNMT3L
UniProt Entry Name	DNM3L_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/dna-methyltransferase-3-like-protein-dnmt3l/188306>