

Human DOT1 Like, Histone H3 Methyltransferase (DOT1L) ELISA Kit | DOT1L elisa kit

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CATALOG #
AAA141174

REACTIVITY
Human

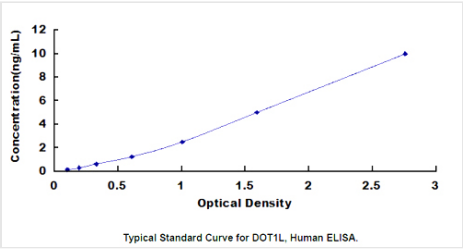
PRODUCT SYNONYMS

DOT1 Like; Histone H3 Methyltransferase (DOT1L); Human DOT1 Like; Histone H3 Methyltransferase (DOT1L) ELISA Kit; DOT1; KMT4; Histone-lysine N-methyltransferase; H3 lysine-79 specific; Histone H3-K79 methyltransferase; Lysine N-methyltransferase 4; DOT1L elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of DOT1 Like, Histone H3 Methyltransferase (DOT1L). No significant cross-reactivity or interference between DOT1 Like, Histone H3 Methyltransferase (DOT1L) and analogues was observed.
Sequence Length	1537
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates And Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.059ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level DOT1 Like, Histone H3 Methyltransferase (DOT1L) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level DOT1 Like, Histone H3 Methyltransferase (DOT1L) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
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 DOT1L 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 DOT1 Like, Histone H3 Methyltransferase (DOT1L). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to DOT1 Like, Histone H3 Methyltransferase (DOT1L). 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 DOT1 Like, Histone H3 Methyltransferase (DOT1L), 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 DOT1 Like, Histone H3 Methyltransferase (DOT1L) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for DOT1L elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	410337963
Molecular Weight	164,898 Da
NCBI Official Full Name	DOT1-like, histone H3 methyltransferase
UniProt Protein Name	Histone-lysine N-methyltransferase, H3 lysine-79 specific
UniProt Gene Name	DOT1L
UniProt Entry Name	K7CXX0_PANTR

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/dot1-like-histone-h3-methyltransferase-dot1l/141174>