

Human EHMT2 (Histone-lysine N-methyltransferase EHMT2) ELISA Kit | EHMT2 elisa kit

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CATALOG #
AAA250316

REACTIVITY
Human

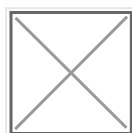
PRODUCT SYNONYMS

EHMT2 (Histone-lysine N-methyltransferase EHMT2); Human EHMT2 (Histone-lysine N-methyltransferase EHMT2) ELISA Kit; Histone-lysine N-methyltransferase EHMT2; Euchromatic histone-lysine N-methyltransferase 2; HLA-B-associated transcript 8; Histone H3-K9 methyltransferase 3; H3-K9-HMTase 3; Lysine N-methyltransferase 1C; Protein G9a; BAT8; C6orf30; G9A; KMT1C; NG36; EHMT2; EHMT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize EHMT2, no obvious cross reaction with other analogues
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EHMT2 elisa kit	Background: G9a, also known as Euchromatic histone-lysine N-methyltransferase 2 (EHMT2), is a member of a family of histone lysine methyltransferases, each of which contains a conserved catalytic SET domain originally identified. G9a methylates itself on Lys165, a modification that regulates the association of HP1 repressor proteins with the G9a/GLP complex. In addition, G9a facilitates increased global levels of di-methyl histone H3 (Lys9) during hypoxic stress and increased G9a expression is associated with hepatocellular carcinoma. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti EHMT2 antibody was pre-coated onto the 96-well plate. The biotin conjugated anti EHMT2 antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with EHMT2 conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of EHMT2 in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	116241348
NCBI GeneID	10919
UniProt Accession #	Q96KQ7; Q14349; Q5JP83; Q5JQ92; Q5JQA1; Q5JQG3; Q6PK06; Q96MH5; Q96QD0; Q9UQL8; Q9Y331; BOUZY2
Molecular Weight	1210
NCBI Official Full Name	Histone-lysine N-methyltransferase EHMT2
NCBI Official Synonym Full Names	euchromatic histone-lysine N-methyltransferase 2
NCBI Official Symbol	EHMT2
NCBI Official Synonym Symbols	G9A; BAT8; GAT8; NG36; KMT1C; C6orf30
NCBI Protein Information	histone-lysine N-methyltransferase EHMT2; H3-K9-HMTase 3; G9A histone methyltransferase; HLA-B associated transcript 8; lysine N-methyltransferase 1C; ankyrin repeat-containing protein; histone H3-K9 methyltransferase 3; histone-lysine N-methyltransferase
UniProt Protein Name	Histone-lysine N-methyltransferase EHMT2
UniProt Gene Name	EHMT2
UniProt Synonym Gene Names	BAT8; C6orf30; G9A; KMT1C; NG36; H3-K9-HMTase 3
UniProt Entry Name	EHMT2_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.