

Mouse N-lysine methyltransferase SMYD2 (SMYD2) ELISA Kit | SMYD2 elisa kit

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CATALOG #
AAA246903

REACTIVITY
Mouse

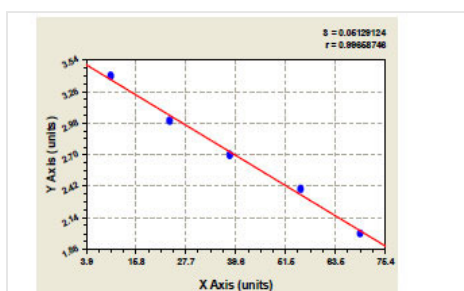
PRODUCT SYNONYMS

N-lysine methyltransferase SMYD2 (SMYD2); Mouse N-lysine methyltransferase SMYD2 (SMYD2) ELISA Kit; SMYD2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SMYD2 elisa kit

Intended Uses: This SMYD2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse SMYD2. This ELISA kit for research use only!

Principle of the Assay||SMYD2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-SMYD2 antibody and an SMYD2-HRP conjugate. The assay sample and buffer are incubated together with SMYD2-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 SMYD2 concentration since SMYD2 from samples and SMYD2-HRP conjugate compete for the anti-SMYD2 antibody binding site. Since the number of sites is limited, as more sites are occupied by SMYD2 from the sample, fewer sites are left to bind SMYD2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SMYD2 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for SMYD2 elisa kit

[Epigenetics and Nuclear Signaling](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	188035871
NCBI GeneID	56950
NCBI Accession #	NP_064582.2
NCBI GenBank Nucleotide #	NM_020197.2
Molecular Weight	49,688 Da
NCBI Official Full Name	N-lysine methyltransferase SMYD2
NCBI Official Synonym Full Names	SET and MYND domain containing 2
NCBI Official Symbol	SMYD2
NCBI Official Synonym Symbols	KMT3C; HSKM-B; ZMYND14
NCBI Protein Information	N-lysine methyltransferase SMYD2; lysine N-methyltransferase 3C; histone methyltransferase SMYD2; zinc finger, MYND domain containing 14; SET and MYND domain-containing protein 2
UniProt Protein Name	N-lysine methyltransferase SMYD2
UniProt Gene Name	SMYD2
UniProt Synonym Gene Names	KMT3C
UniProt Entry Name	SMYD2_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/mouse-elisa-kits/n-lysine-methyltransferase-smyd2-smyd2/246903>