

Human Lysine Specific Demethylase 4A (KDM4A) ELISA Kit | KDM4A elisa kit

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CATALOG #
AAA138103

REACTIVITY
Human

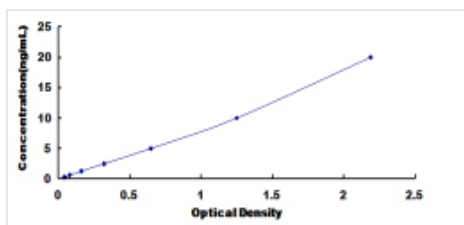
PRODUCT SYNONYMS

Lysine Specific Demethylase 4A (KDM4A); Human Lysine Specific Demethylase 4A (KDM4A) ELISA Kit; JMJD2; JMJD2A; JHDM3A; JmjC domain-containing histone demethylation protein 3A; Jumonji domain-containing protein 2A; KDM4A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Lysine Specific Demethylase 4A (KDM4A). No significant cross-reactivity or interference between Lysine Specific Demethylase 4A (KDM4A) and analogues was observed.
Sequence Length	481
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.126ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Lysine Specific Demethylase 4A (KDM4A) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Lysine Specific Demethylase 4A (KDM4A) 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 KDM4A 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 Lysine Specific Demethylase 4A (KDM4A). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Lysine Specific Demethylase 4A (KDM4A). 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 Lysine Specific Demethylase 4A (KDM4A), 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 Lysine Specific Demethylase 4A (KDM4A) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for KDM4A elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	98986459
NCBI GeneID	9682
NCBI Accession #	NP_055478.2
NCBI GenBank Nucleotide #	NM_014663.2
UniProt Accession #	O75164; Q5VVB1
Molecular Weight	54,697 Da
NCBI Official Full Name	lysine-specific demethylase 4A
NCBI Official Synonym Full Names	lysine (K)-specific demethylase 4A
NCBI Official Symbol	KDM4A
NCBI Official Synonym Symbols	JMJD2; JHDM3A; JMJD2A; TDRD14A
NCBI Protein Information	lysine-specific demethylase 4A
UniProt Protein Name	Lysine-specific demethylase 4A
UniProt Gene Name	KDM4A
UniProt Synonym Gene Names	JHDM3A; JMJD2; JMJD2A; KIAA0677
UniProt Entry Name	KDM4A_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/human-elisa-kits/lysine-specific-demethylase-4a-kdm4a/138103>