

Human Histone-Lysine N-Methyltransferase PRDM9 (PRDM9) ELISA Kit | PRDM9 elisa kit

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CATALOG #
AAA331363

REACTIVITY
Human

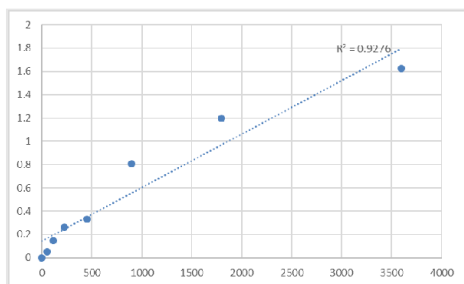
PRODUCT SYNONYMS

Histone-Lysine N-Methyltransferase PRDM9 (PRDM9); Human Histone-Lysine N-Methyltransferase PRDM9 (PRDM9) ELISA Kit; PRDM9; PFM6; PR-domain containing protein 9; PRDM9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Histone-lysine N-methyltransferase PRDM9 (PRDM9) ELISA Kit has high sensitivity and excellent specificity for detection of Human PRDM9. No significant cross-reactivity or interference between Human PRDM9 and analogues was observed.
Sequence Length	894
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Histone-lysine N-methyltransferase PRDM9 (PRDM9) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PRDM9 elisa kit	Description: This Human Histone-lysine N-methyltransferase PRDM9 (PRDM9) ELISA Kit employs a two-site sandwich ELISA to quantitate PRDM9 in samples. An antibody specific for PRDM9 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PRDM9 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRDM9 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PRDM9 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The PR domain is a protein-protein interaction module of about 100 amino acids. PR domain-containing proteins, such as PRDM9, are often involved in transcriptional regulation. The deduced 862-amino acid Meisetz protein contains a PR/SET domain in its N-terminal portion and a zinc finger domain containing multiple C2H2-type zinc fingers in its C-terminal portion. Hayashi et al. (2005) also cloned 2 Meisetz splice variants that encode shorter isoforms lacking the zinc finger domain. The PR/SET domain of Meisetz is highly conserved in human PRDM9. In situ hybridization, RT-PCR, and Northern blot analysis showed that mouse Meisetz transcripts were only expressed in germ cells entering meiotic prophase in female fetal gonads and in postnatal testis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	147905620
NCBI GeneID	56979
NCBI Accession #	NP_064612.2
NCBI GenBank Nucleotide #	NP_064612.2
UniProt Accession #	Q9NQV7
NCBI Official Full Name	histone-lysine N-methyltransferase PRDM9 isoform PRDM9 B
NCBI Official Synonym Full Names	PR/SET domain 9
NCBI Official Symbol	PRDM9
NCBI Official Synonym Symbols	PFM6; KMT8B; MSBP3; ZNF899; MEISETZ
NCBI Protein Information	histone-lysine N-methyltransferase PRDM9
UniProt Protein Name	Histone-lysine N-methyltransferase PRDM9
UniProt Gene Name	PRDM9
UniProt Synonym Gene Names	PFM6
UniProt Entry Name	PRDM9_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/histone-lysine-n-methyltransferase-prdm9-prdm9/331363>