Human Probable Histone-Lysine N-Methyltransferase PRDM7 (PRDM7) ELISA Kit | PRDM7 elisa kit

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CATALOG #	REACTIVITY
AAA331365	**Human**

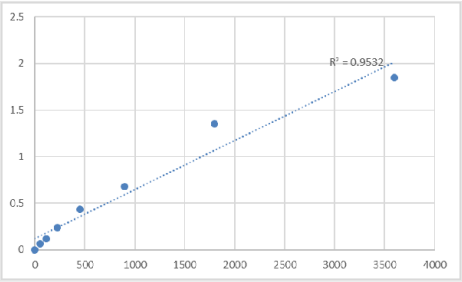
PRODUCT SYNONYMS

Probable Histone-Lysine N-Methyltransferase PRDM7 (PRDM7); Human Probable Histone-Lysine N-Methyltransferase PRDM7 (PRDM7) ELISA Kit; PRDM7; MGC129525; PFM4; PR-domain family protein 4; PRDM7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Probable histone-lysine N-methyltransferase PRDM7 (PRDM7) ELISA Kit has high sensitivity and excellent specificity for detection of Human PRDM7. No significant cross-reactivity or interference between Human PRDM7 and analogues was observed.
Sequence Length	492
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 Probable histone-lysine N-methyltransferase PRDM7 (PRDM7) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PRDM7 elisa kit	Description: This Human Probable histone-lysine N-methyltransferase PRDM7 (PRDM7) ELISA Kit employs a two-site sandwich ELISA to quantitate PRDM7 in samples. An antibody specific for PRDM7 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PRDM7 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRDM7 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 PRDM7 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Progressive diversification of paralogs after gene expansion is essential to increase their functional specialization. However, mode and tempo of this divergence remain mostly unclear. PRDM7 underwent major structural rearrangements that decreased the number of encoded Zn-Fingers and modified gene splicing. Through internal duplication and activation of a non-canonical splice site (GC-AG), PRDM7 can acquire a novel intron. PRDM7 is a transcription factor of the PR-domain protein family. It contains a PR-domain and multiple zinc finger motifs. Transcription factors of the PR-domain family are known to be involved in cell differentiation and tumorigenesis. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

NCBI AND UNIPROT INFORMATION

NCBI GI #	148271100
NCBI GeneID	11105
NCBI Accession #	NP_001091643.1
NCBI GenBank Nucleotide #	NP_001091643.1
UniProt Accession #	Q9NQW5
NCBI Official Full Name	probable histone-lysine N-methyltransferase PRDM7
NCBI Official Synonym Full Names	PR/SET domain 7
NCBI Official Symbol	PRDM7
NCBI Official Synonym Symbols	PFM4; ZNF910
NCBI Protein Information	probable histone-lysine N-methyltransferase PRDM7
UniProt Protein Name	Probable histone-lysine N-methyltransferase PRDM7
UniProt Gene Name	**PRDM7**
UniProt Synonym Gene Names	PFM4

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://www.aaabiotech.com/human-elisa-kits/probable-histone-lysine-n-methyltransferase-prdm7-prdm7/331365