

Human PR Domain Zinc Finger Protein 8 (PRDM8) ELISA Kit | PRDM8 elisa kit

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CATALOG # AAA331364	REACTIVITY Human
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PRODUCT SYNONYMS

PR Domain Zinc Finger Protein 8 (PRDM8); Human PR Domain Zinc Finger Protein 8 (PRDM8) ELISA Kit; PRDM8; PFM5; PR-domain containing protein 8; PRDM8 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human PR domain zinc finger protein 8 (PRDM8) ELISA Kit has high sensitivity and excellent specificity for detection of Human PRDM8. No significant cross-reactivity or interference between Human PRDM8 and analogues was observed.
Sequence Length	689
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 PR domain zinc finger protein 8 (PRDM8) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PRDM8 elisa kit	Description: This Human PR domain zinc finger protein 8 (PRDM8) ELISA Kit employs a two-site sandwich ELISA to quantitate PRDM8 in samples. An antibody specific for PRDM8 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PRDM8 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRDM8 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 PRDM8 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: A family of PRDM proteins are similar to histone methyltransferases (HMTases) with SET domain in that they modulate different cellular processes, including transcriptional regulation, through chromatin modifying activities. In vitro HMTase assay and immunoblot analysis revealed that PRDM8 specifically methylates H3K9 of histones which indicates transcriptional repression activity of PRDM8. Direct recruitment of PRDM8 to the promoter mediated transcriptional repression and indicated no involvement of HDAC. Tissue blot analyses identified PRDM8 transcripts from brain and testis in adult mouse. PRDM8 repressed the expression of steroidogenic markers, p450c17c and LHR, which indicates its regulatory role in mouse testis development.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	150378478
NCBI GeneID	56978
NCBI Accession #	NP_001092873
NCBI GenBank Nucleotide #	NP_001092873.1
UniProt Accession #	Q9NQV8
NCBI Official Full Name	PR domain zinc finger protein 8
NCBI Official Synonym Full Names	PR/SET domain 8
NCBI Official Symbol	PRDM8
NCBI Official Synonym Symbols	PFM5; EPM10; KMT8D
NCBI Protein Information	PR domain zinc finger protein 8
UniProt Protein Name	PR domain zinc finger protein 8
UniProt Gene Name	PRDM8
UniProt Synonym Gene Names	PFM5
UniProt Entry Name	PRDM8_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/pr-domain-zinc-finger-protein-8-prdm8/331364>