Rat Histone-lysine N-methyltransferase PRDM9 (PRDM9) ELISA Kit

Catalog No: #EK8340

Package Size: #EK8340-1 48T #EK8340-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Rat Histone-lysine N-methyltransferase PRDM9 (PRDM9) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat (Rattus norvegicus)
Other Names	PFM6; PR-domain containing protein 9
Accession No.	P0C6Y7
Uniprot	P0C6Y7
GeneID	365155;
Storage	The stability of ELISA 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. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:Request Information

Sensitivity:Request Information

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay 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 anyPRDM9 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.Product Overview: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.

Note: This product is for in vitro research use only