Human PR domain zinc finger protein 8 (PRDM8) ELISA Kit

Catalog No: #EK8344

Package Size: #EK8344-1 48T #EK8344-2 96T

Orders: order@signalwayantibody.com
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Description

Product Name	Human PR domain zinc finger protein 8 (PRDM8) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	PFM5; PR-domain containing protein 8
Accession No.	Q9NQV8
Uniprot	Q9NQV8
GeneID	56978;
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 PRDM8 in samples. An antibody specific for PRDM8 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPRDM8 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.Product Overview: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.

Note: This product is for in vitro research use only