Mouse Polyamine-modulated factor 1-binding protein 1 (PMFBP1) ELISA Kit

Catalog No: #EK8411

Package Size: #EK8411-1 48T #EK8411-2 96T

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

Description

Product Name	Mouse Polyamine-modulated factor 1-binding protein 1 (PMFBP1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	DKFZp434G131; FLJ40146; PMF-1 binding protein
Accession No.	Q9WVQ0
Uniprot	Q9WVQ0
GeneID	56523;
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:0.156-10 ng/mL

Sensitivity:0.061 ng/mL

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 PMFBP1 in samples. An antibody specific for PMFBP1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPMFBP1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PMFBP1 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 PMFBP1 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:May play a role in sperm morphology especially the sperm tail and consequently affect fertility. May also be involved in the general organization of cellular cytoskeleton.

Cotransfection of PMF1 and NRF2 activated transcription from the polyamine-responsive element of the SSAT promoter in a reporter assay, and PMF1 was the rate-limiting component.Mutations that interrupted either of these regions altered the ability of the proteins to interact, and they lost their ability to regulate transcription of the SSAT gene.

Note: This product is for in vitro research use only