

Human PHD finger protein 7 (PHF7) ELISA Kit

Catalog No: #EK8527



Package Size: #EK8527-1 48T #EK8527-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Human PHD finger protein 7 (PHF7) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	DKFZp434L1850; HSPC045; HSPC226; MGC26088; NYD-SP6;
Accession No.	Q9BWX1
Uniprot	Q9BWX1
GeneID	51533;
Storage	<p>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.</p> <p>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).</p>

Application Details

Detect Range:25-1600 pg/mL

Sensitivity:6.25 pg/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 PHF7 in samples. An antibody specific for PHF7 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPHF7 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PHF7 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 PHF7 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:Spermatogenesis is a complex process regulated by extracellular and intracellular factors as well as cellular interactions among interstitial cells of the testis, Sertoli cells, and germ cells. In the testis, PHF7 is expressed in Sertoli cells but not germ cells. However, this gene is not expressed in a patient who exhibited spermatogenic arrest at the spermatocyte stage. Spermatogenic arrest is an interruption of germ cell differentiation that may result in oligospermia or azoospermia. The proteins encoded by this gene contain plant homeodomain (PHD) finger domains, also known as leukemia associated protein (LAP) domains, believed to be involved in transcriptional regulation. Thus this protein, which localizes to the nucleus of transfected cells, has been implicated in the transcriptional regulation of spermatogenesis.

Note: This product is for in vitro research use only