Human Doublesex- and mab-3-related transcription factor 1 (DMRT1) ELISA Kit

Catalog No: #EK10584

Package Size: #EK10584-1 48T #EK10584-2 96T

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

Description

Product Name	Human Doublesex- and mab-3-related transcription factor 1 (DMRT1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	DMT1; DM domain expressed in testis 1
Accession No.	Q9Y5R6
Uniprot	Q9Y5R6
GeneID	1761;
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 DMRT1 in samples. An antibody specific for DMRT1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyDMRT1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DMRT1 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 DMRT1 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:DMRT1 is found in a cluster with two other members of the gene family, having in common a zinc finger-like DNA-binding motif (DM domain). The DM domain is an ancient, conserved component of the vertebrate sex-determining pathway that is also a key regulator of male development in flies and nematodes, and is found to be the key sex-determining factor in chickens. This gene exhibits a gonad-specific and sexually dimorphic expression pattern, just like the related doublesex gene in fruit flies. The protein contains a nuclear localization signal between the 2 zinc-binding sites of the DM domain, which is located in the N terminus. Immunohistochemical analysis of adult human testis revealed that DMRT1 localized to nuclei of Sertoli cells, spermatogonia, and spermatocytes.

Note: This product is for in vitro research use only