Human Doublesex- and mab-3-related transcription factor C2 (DMRTC2) ELISA Kit

Catalog No: #EK10569

Package Size: #EK10569-1 48T #EK10569-2 96T

Orders: order@signalwayantibody.com
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Description

Product Name	Human Doublesex- and mab-3-related transcription factor C2 (DMRTC2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Accession No.	Q8IXT2
Uniprot	Q8IXT2
GeneID	63946;
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 DMRTC2 in samples. An antibody specific for DMRTC2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyDMRTC2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DMRTC2 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 DMRTC2 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:DMRTC2 belongs to the DMRT family. Contains 1 DM DNA-binding domain. Expressed in testis and pancreas. May be involved in sexual development. Recent advances in the evolutionary genetics of sex determination indicate that DMRT1 may be a vertebrate equivalent of the Drosophila melanogaster master sex regulator gene, doublesex. The role of DMRT1 seems to be confined to some aspects of male sex differentiation, whereas in Drosophila, doublesex has wider developmental effects in both sexes. This suggests other homologs of doublesex may exist in the vertebrate genome and encode sex-specific functions not displayed by DMRT1. Human DM genes map to three well-defined regions of chromosomes 1, 9, and 19 (one gene on chromosome 19 having an additional homolog on chromosome X).

Note: This product is for in vitro research use only