

Human Doublesex- and mab-3-related transcription factor A1 (DMRTA1) ELISA Kit

Catalog No: #EK10579

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Package Size: #EK10579-1 48T #EK10579-2 96T

Description

Product Name	Human Doublesex- and mab-3-related transcription factor A1 (DMRTA1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	DMO; MGC163307; MGC163309;
Accession No.	Q5VZB9
Uniprot	Q5VZB9
GeneID	63951;
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: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 DMRTA1 in samples. An antibody specific for DMRTA1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyDMRTA1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DMRTA1 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 DMRTA1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**DMRTA1, Belongs to the DMRT family. Contains 1 DM DNA-binding domain. Expressed in liver, kidney, pancreas, prostate and weakly detected in testis and ovary.May be involved in sexual development.

The Dmrt genes encode a large family of transcription factors whose function in sexual development has been well studied in invertebrates and vertebrates. Their expression pattern is not restricted to the developing gonads, indicating that Dmrt genes might regulate other developmental processes. By genomic analysis of zebrafish and rat DMRT genes, all protein sequences of the vertebrate DMRTs were searched from gene databases and aligned. Phylogenetic tree of all these DMRT genes was reconstructed and evaluated by Bootstrap method. These DMRT genes were clustered into seven subfamilies.

Note: This product is for in vitro research use only