Human Doublesex- and mab-3-related transcription factor B1 (DMRTB1) ELISA Kit

Catalog No: #EK10574

Package Size: #EK10574-1 48T #EK10574-2 96T

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Description

Product Name	Human Doublesex- and mab-3-related transcription factor B1 (DMRTB1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Accession No.	Q96MA1
Uniprot	Q96MA1
GeneID	63948;
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 DMRTB1 in samples. An antibody specific for DMRTB1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyDMRTB1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DMRTB1 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 DMRTB1 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:In humans, the DMRT genes encode a large family of transcription factors that are related to the Drosophila doublesex proteins. Expressed primarily in the gonads, the DMRT proteins contain cysteine-rich DNA-binding motifs and are thought to play an important role in sexual development.

DMRTB1 (Doublesex- and mab-3-related transcription factor B1) is a 342 amino acid protein that contains one DM DNA-binding domain and belongs to the DMRT family. Localized to the nucleus and expressed in the testis, DMRTB1 may participate in developmental processes and, via its DM domain, may bind to DNA and regulate transcription. DMRTB1 belongs to the DMRT family. Contains 1 DM DNA-binding domain.

Note: This product is for in vitro research use only