Human Doublesex- and mab-3-related transcription factor 2 (DMRT2) ELISA Kit

Catalog No: #EK10581

Package Size: #EK10581-1 48T #EK10581-2 96T

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

Description

Product Name	Human Doublesex- and mab-3-related transcription factor 2 (DMRT2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	OTTHUMP00000020964|OTTHUMP00000020966|OTTHUMP00000020967|terra-like protein
Accession No.	Q9Y5R5
Uniprot	Q9Y5R5
GeneID	10655;
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 DMRT2 in samples. An antibody specific for DMRT2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyDMRT2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DMRT2 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 DMRT2 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Raymond et al. (1999) sought other genes with DM domains within the minimal sex reversal region of 9p. Using a degenerate PCR strategy, they isolated a cDNA clone encoding a protein with a DM domain similar to that of DMRT1 from a human adult testis cDNA library. This cDNA, DMRT2, encodes a 226-amino acid peptide sharing 80% amino acid identity with DMRT1 in the core region of the DM domain.

The 2 proteins also have an additional 29-amino acid conserved DM domain region.The authors concluded that the results provide further support for the presence of a sex-determining gene(s) on distal 9p and favor the possibility of DMRT1 and/or DMRT2 being the sex-determining gene(s).

Note: This product is for in vitro research use only