Mouse Dystrophia myotonica WD repeat-containing protein (DMWD) ELISA Kit

Catalog No: #EK10564

Package Size: #EK10564-1 48T #EK10564-2 96T

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

Description

Product Name	Mouse Dystrophia myotonica WD repeat-containing protein (DMWD) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	D19S593E; DMR-N9; DMRN9; gene59; dystrophia myotonica-containing WD repeat motif|dystrophia myotonica-containing WD repeat motif protein|protein 59
Accession No.	Q08274
Uniprot	Q08274
GeneID	13401;
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 DMWD in samples. An antibody specific for DMWD has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyDMWD present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DMWD 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 DMWD bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:DMWD contains 2 regions with significant homology to WD repeats. Northern blot analysis detected highest expression in mouse brain and testis, with significant expression in heart and lung. In situ hybridization of mouse embryos detected ubiquitous low expression in all tissues and enhanced expression in adult brain and testis. Dmwd expression began before embryonic day 9.5. From day 14.5 onward, Dmwd mRNA was detected in all neural tissues, especially in the telencephalon and mesencephalon. Later, expression was evident in distinct tubules of the mature testis and was restricted to secondary spermatocytes of stages VIII to XII of the spermatogenic proliferation cycle.Northern blot analysis of human and baboon RNA detected a 3-kb transcript.

Note: This product is for in vitro research use only