Bovine Serine/threonine-protein kinase greatwall (MASTL) ELISA Kit

Catalog No: #EK9880

Package Size: #EK9880-1 48T #EK9880-2 96T

Orders: order@signalwayantibody.com
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Description

Product Name	Bovine Serine/threonine-protein kinase greatwall (MASTL) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Bovine (Bos taurus; Cattle)
Other Names	FLJ14813; RP11-85G18.2; THC2;
Accession No.	E1BFR5
Uniprot	E1BFR5
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 MASTL in samples. An antibody specific for MASTL has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyMASTL present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MASTL 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 MASTL bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Gandhi et al. (2003) identified MASTL, which they called FLJ14813, within the region of chromosome 10p where Drachman et al. (2000) had mapped autosomal dominant thrombocytopenia, also known as thrombocytopenia-2 (THC2), by linkage analysis. The protein product of the MASTL gene is a putative kinase that contains 2 highly conserved kinase domains. Gandhi et al. (2003) noted that a similar gene, 'greatwall,' had been described in Drosophila. EMS-induced mutations in the greatwall gene cause a metaphase-arrest phenotype and problems in chromosome condensation.By extensive sequencing of multiple genes located in the critical segment on 10p, Gandhi et al. (2003) demonstrated a missense mutation in the MASTL gene .

Note: This product is for in vitro research use only