

Mouse Microtubule-associated serine/threonine-protein kinase 4 (MAST4) ELISA Kit

Catalog No: #EK9881

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Package Size: #EK9881-1 48T #EK9881-2 96T

Description

Product Name	Mouse Microtubule-associated serine/threonine-protein kinase 4 (MAST4) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (<i>Mus musculus</i>)
Other Names	KIAA0303;
Accession No.	Q811L6
Uniprot	Q811L6
GeneID	328329;
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 μ L

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 MAST4 in samples. An antibody specific for MAST4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyMAST4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MAST4 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 MAST4 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**MAST4 Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. 5 isoforms of the human protein are produced by alternative splicing. Human protein kinases make up a large superfamily of homologous proteins, which are related by virtue of their kinase domains.MAST4 locates on human chromosome 5q13. The MAST4 cDNA is 7587 base pairs in length and encodes a putative protein of 2435 amino acids which contains a serine/threonine kinase domain and a PDZ domain. MAST4 protein has 64%, 63%, 59% and 39% identical aminoacid residues with MAST1, MAST2, MAST3 and MASTL respectively. RT-PCR analysis revealed relatively high expression level of MAST4 in most normal human tissues, with an exception of in testis, small intestine, colon and peripheral blood leukocyte.

Note: This product is for in vitro research use only