

# Mouse Microtubule-associated serine/threonine-protein kinase 2 (MAST2) ELISA Kit

Catalog No: #EK9885

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)

Package Size: #EK9885-1 48T #EK9885-2 96T

Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	Mouse Microtubule-associated serine/threonine-protein kinase 2 (MAST2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse ( <i>Mus musculus</i> )
Other Names	FLJ39200; KIAA0807; MAST205; MTSSK; RP4-533D7.1; microtubule associated testis specific serine/threonine protein kinase
Accession No.	Q60592
Uniprot	Q60592
GeneID	17776;
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  $\mu$ 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 MAST2 in samples. An antibody specific for MAST2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyMAST2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MAST2 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 MAST2 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**The deduced 1,265-amino acid protein shares significant similarity with mouse Mast205. RT-PCR ELISA detected variable MAST2 expression in all tissues examined. The deduced 1,734-amino acid protein has a calculated molecular mass of 190.5 kD. It had an apparent molecular mass of 205 kD by SDS-PAGE. Mast205 contains a central serine/threonine kinase catalytic domain, which includes an ATP-binding consensus sequence, and several potential phosphorylation sites. Northern blot analysis of mouse tissues detected Mast205 expression only in testis. Mast205 expression increased during postnatal testicular development coincident with meiosis/spermiogenesis. Immunofluorescence microscopy showed Mast205 associated with mouse spermatid manchette.

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Note: This product is for in vitro research use only