

# Rat Mitotic spindle assembly checkpoint protein MAD2B (MAD2L2) ELISA Kit

Catalog No: #EK9986

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

Package Size: #EK9986-1 48T #EK9986-2 96T

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

## Description

Product Name	Rat Mitotic spindle assembly checkpoint protein MAD2B (MAD2L2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat ( <i>Rattus norvegicus</i> )
Other Names	RP3-330O12.4; MAD2B; REV7; MAD2 (mitotic arrest deficient; yeast; homolog)-like 2 MAD2 homolog OTTHUMP0000002273 mitotic arrest deficient homolog-like 2
Accession No.	D3Z8D9
Uniprot	D3Z8D9
GeneID	313702;
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 MAD2L2 in samples. An antibody specific for MAD2L2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyMAD2L2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MAD2L2 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 MAD2L2 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**MAD2L2 is a component of the mitotic spindle assembly checkpoint that prevents the onset of anaphase until all chromosomes are properly aligned at the metaphase plate. MAD2L2 is a homolog of MAD2L1. The predicted 211-amino acid MAD2B protein shares 24% and 26% sequence identity with yeast Mad2 and human MAD2L1, respectively, in the conserved regions. RT-PCR analysis revealed that both human MAD2 homologs were expressed at similar high levels in a panel of cell lines. Further binding analyses determined that the interaction of MAD2L2 with ADAM9 is mediated through a proline-rich SH3-ligand domain of ADAM9. Northern blot analysis detected 1.35-kb MAD2L2 transcripts in all tissues tested, with highest expression in testis.

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Note: This product is for in vitro research use only