

# Rat MAP kinase-activating death domain protein (MADD) ELISA Kit

Catalog No: #EK9979

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Package Size: #EK9979-1 48T #EK9979-2 96T

## Description

Product Name	Rat MAP kinase-activating death domain protein (MADD) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat ( <i>Rattus norvegicus</i> )
Other Names	DENN; FLJ35600; FLJ36300; IG20; KIAA0358; RAB3GEP; MAP-kinase activating death domain-containing protein OTTHUMP00000197132 OTTHUMP00000197133 OTTHUMP00000197138 OTTHUMP00000197139  Rab3 GDP/GTP exch
Accession No.	O08873
Uniprot	O08873
GeneID	94193;
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 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 MADD in samples. An antibody specific for MADD has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyMADD present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MADD 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 MADD bound in the initial step. The color development is stopped and the intensity of the color is measured.

**Product Overview:**Tumor necrosis factor alpha (TNF-alpha) is a signaling molecule that interacts with one of two receptors on cells targeted for apoptosis. The apoptotic signal is transduced inside these cells by cytoplasmic adaptor proteins. This protein is a death domain-containing adaptor protein that interacts with the death domain of TNF-alpha receptor 1 to activate mitogen-activated protein kinase (MAPK) and propagate the apoptotic signal. It is membrane-bound and expressed at a higher level in neoplastic cells than in normal cells. Several transcript variants encoding different isoforms have been described for this gene.

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Note: This product is for in vitro research use only