

# Mouse ADAM DEC1 (ADAMDEC1) ELISA Kit

Catalog No: #EK7709



Package Size: #EK7709-1 48T #EK7709-2 96T

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## Description

Product Name	Mouse ADAM DEC1 (ADAMDEC1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse ( <i>Mus musculus</i> )
Other Names	FLJ79219; M12.219; decysin disintegrin protease
Accession No.	Q9R0X2
Uniprot	Q9R0X2
GeneID	58860;
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:31.25-2000 pg/mL

Sensitivity:7.8 pg/mL

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 ADAMDEC1 in samples. An antibody specific for ADAMDEC1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyADAMDEC1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ADAMDEC1 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 ADAMDEC1 bound in the initial step. The color development is stopped and the intensity of the color is measured.

**Product Overview:**The ADAM family is composed of zinc-binding proteins that can function as adhesion proteins and/or endopeptidases.The prototypic ADAM protein has a prodomain, a metalloprotease domain, a disintegrin domain, a cysteine-rich region, a transmembrane domain, and a variable cytoplasmic tail.

ADAMDEC1 belongs to a novel ADAM subfamily due to its partial lack of a disintegrin domain and its total lack of a cysteine-rich domain.ADAMDEC1 protein has 2 unique features compared with other ADAM proteins: the third histidine residue in its zinc-binding site is replaced with an aspartate, and it prematurely terminates in the disintegrin domain, deleting half the disintegrin domain as well as the cysteine-rich domain, the transmembrane domain, and the intracellular tail.

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Note: This product is for in vitro research use only