

## Rat Matrin-3 (MATR3) ELISA Kit

Catalog No: #EK9857



Package Size: #EK9857-1 48T #EK9857-2 96T

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## Description

Product Name	Rat Matrin-3 (MATR3) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat ( <i>Rattus norvegicus</i> )
Other Names	DKFZp686K0542; DKFZp686K23100; KIAA0723; MGC9105; MPD2;
Accession No.	P43244
Uniprot	P43244
GeneID	29150;
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 MATR3 in samples. An antibody specific for MATR3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyMATR3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MATR3 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 MATR3 bound in the initial step. The color development is stopped and the intensity of the color is measured.

**Product Overview:**Matrin 3(MATR3) is localized in the nuclear matrix. It may play a role in transcription or may interact with other nuclear matrix proteins to form the internal fibrogranular network. Two transcript variants encoding the same protein have been identified for this gene.The deduced 845-amino acid protein has a calculated molecular mass of approximately 95 kD. Its primary structure consists of 33% charged residues and is generally hydrophilic. Like the lamins, matrin-3 has a positively charged N terminus that contains a large number of amino acids with free hydroxyl groups. A highly acidic domain near the C terminus, in which 32% of the amino acids are acidic, is a characteristic found in other nuclear proteins.

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Note: This product is for in vitro research use only