

Human Matrin-3 (MATR3) ELISA Kit | MATR3 elisa kit

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CATALOG #
AAA331857

REACTIVITY
Human

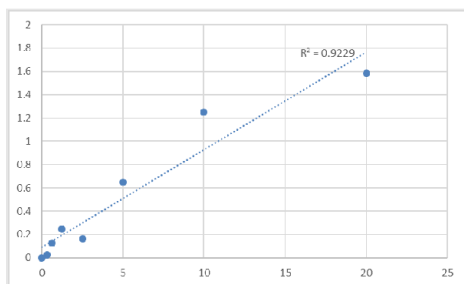
PRODUCT SYNONYMS

Matrin-3 (MATR3); Human Matrin-3 (MATR3) ELISA Kit; MATR3; DKFZp686K0542; DKFZp686K23100; KIAA0723; MGC9105; MPD2; MATR3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Matrin-3 (MATR3) ELISA Kit has high sensitivity and excellent specificity for detection of Human MATR3. No significant cross-reactivity or interference between Human MATR3 and analogues was observed.
Sequence Length	847
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Matrin-3 (MATR3) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MATR3 elisa kit	Description: This Human Matrin-3 (MATR3) ELISA Kit 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 any MATR3 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. Background: 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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NCBI AND UNIPROT INFORMATION

NCBI GI #	21626466
NCBI GeneID	9782
NCBI Accession #	NP_061322.2
NCBI GenBank Nucleotide #	NP_061322.2
UniProt Accession #	P43243
NCBI Official Full Name	matrin-3 isoform a
NCBI Official Synonym Full Names	matrin 3
NCBI Official Symbol	MATR3
NCBI Official Synonym Symbols	MPD2; ALS21; VCPDM
NCBI Protein Information	matrin-3
UniProt Protein Name	Matrin-3
UniProt Gene Name	MATR3
UniProt Synonym Gene Names	KIAA0723
UniProt Entry Name	MATR3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/matrin-3-matr3/331857>