

Porcine Uromodulin ELISA Kit | UMOD elisa kit

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CATALOG #
AAA247437

REACTIVITY
Porcine

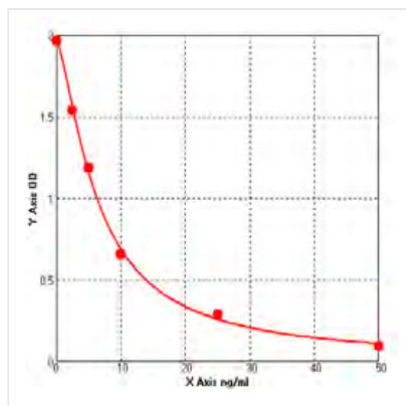
PRODUCT SYNONYMS

Uromodulin; Porcine Uromodulin ELISA Kit; UMOD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Specificity	This assay has high sensitivity and excellent specificity for detection of UMOD. No significant cross-reactivity or interference between UMOD and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between UMOD and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	640
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Reactivity Note	No significant cross-reactivity or interference between this antigen and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection, therefore, cross reaction may still exist in some cases.
Preparation and Storage	Store at 2-8 degree C. The stability of 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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for UMOD elisa kit	Principle of the Assay: UMOD ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-UMOD antibody and a UMOD-HRP conjugate. The assay sample and buffer are incubated together with UMOD-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the UMOD concentration since UMOD from samples and UMOD-HRP conjugate compete for the anti-UMOD antibody binding site. Since the number of sites is limited, as more sites are occupied by UMOD from the sample, fewer sites are left to bind UMOD-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The UMOD concentration in each sample is interpolated from this standard curve. Intended Uses: This UMOD ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine UMOD. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for UMOD elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	56550049
NCBI GeneID	7369
NCBI Accession #	NP_001008390.1
NCBI GenBank Nucleotide #	NM_001008389.2
UniProt Accession #	P07911; Q540J6; Q6ZS84; Q8IYG0; B3KP48; B3KRN9; E9PEA4
Molecular Weight	55,960 Da
NCBI Official Full Name	uromodulin isoform a preproprotein
NCBI Official Synonym Full Names	uromodulin
NCBI Official Symbol	UMOD
NCBI Official Synonym Symbols	THP; FJHN; HNFJ; THGP; HNFJ1; MCKD2; ADMCKD2
NCBI Protein Information	uromodulin
UniProt Protein Name	Uromodulin
UniProt Gene Name	UMOD
UniProt Synonym Gene Names	THP

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/umod-porcine-elisa-kits/uromodulin/247437>