

Human Uromodulin (UMOD) ELISA Kit | UMOD elisa kit

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CATALOG #
AAA64105

REACTIVITY
Human

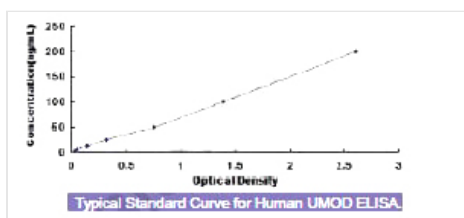
PRODUCT SYNONYMS

Uromodulin (UMOD); Human Uromodulin (UMOD) ELISA Kit; THP; Uromucoid; Tamm-Horsfall Glycoprotein; Tamm-Horsfall urinary glycoprotein; UMOD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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.
Sequence Length	640
Samples	Serum, plasma, urine or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	3.12-200ng/mL
Sensitivity	< 1.25ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level UMOD were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level UMOD were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for UMOD elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of UMOD in human serum, plasma, urine or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to UMOD. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to UMOD. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain UMOD, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of UMOD in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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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	73,571 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.