UMOD (Human) ELISA Kit

Catalog # KA5482 Size 1 Kit

Specification

Product Description	UMOD (Human) ELISA Kit is a sandwich enzyme-linked immunosorbent assay for quantitative detect ion of human Uromodulin in cell culture supernates, serum and plasma (heparin, EDTA).
Suitable Sample	Cell culture supernates, Serum and Plasma (heprain, EDTA)
Sample Volume	100 uL
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	312 to 20000 pg/mL
Reactivity	Human
Regulatory Status	For research use only (RUO)
Storage Instruction	Store at 4°C for six months. For long term storage store at -20°C. Avoid repeated freezing and thawing.

Applications

- Quantification

Gene Info — UMOD

Entrez GeneID	7369
Gene Name	UMOD
Gene Alias	ADMCKD2, FJHN, HNFJ, MCKD2, THGP, THP

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Gene Description	uromodulin
Omim ID	162000 191845 603860 609886
Gene Ontology	Hyperlink
Gene Summary	This gene encodes uromodulin, the most abundant protein in normal urine. Its excretion in urine fol lows proteolytic cleavage of the ectodomain of its glycosyl phosphatidylinositol-anchored counterp art that is situated on the luminal cell surface of the loop of Henle. Uromodulin may act as a constit utive inhibitor of calcium crystallization in renal fluids. Excretion of uromodulin in urine may provide defense against urinary tract infections caused by uropathogenic bacteria. Defects in this gene ar e associated with the autosomal dominant renal disorders medullary cystic kidney disease-2 (MC KD2) and familial juvenile hyperuricemic nephropathy (FJHN). These disorders are characterized by juvenile onset of hyperuricemia, gout, and progressive renal failure. While several transcript var iants may exist for this gene, the full-length natures of only two have been described to date. Thes e two represent the major variants of this gene and encode the same isoform. [provided by RefSe q
Other Designations	OTTHUMP00000162212|Tamm-Horsfall glycoprotein|uromodulin (uromucoid, Tamm-Horsfall glyc oprotein)|uromucoid

Disease

- Chronic Disease
- Genetic Predisposition to Disease
- Gout
- Hypertension
- Kidney Calculi
- Kidney Diseases
- Kidney Failure
- Renal Insufficiency
- Urologic Diseases

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