

Human Urate Transporter 1 (URAT1) ELISA Kit | URAT1 elisa kit

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CATALOG #
AAA67848

REACTIVITY
Human

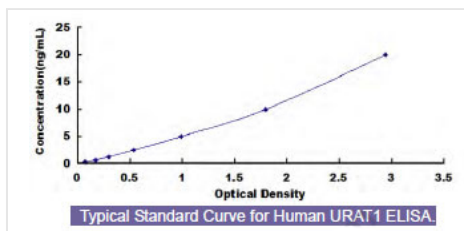
PRODUCT SYNONYMS

Urate Transporter 1 (URAT1); Human Urate Transporter 1 (URAT1) ELISA Kit; SLC22A12; OAT4L; RST; Solute Carrier Family 22 Member 12; Organic Anion/Urate Transporter; Organic anion transporter 4-like; Urate anion exchanger 1; Renal-specific transporter; URAT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of URAT1. No significant cross-reactivity or interference between URAT1 and analogues was observed.
Sequence Length	519
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.127ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level URAT1 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 URAT1 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 URAT1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of URAT1 in human tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to URAT1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to URAT1. 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 URAT1, 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 URAT1 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 #	444299636
NCBI GeneID	116085
NCBI Accession #	NP_001263255.1
NCBI GenBank Nucleotide #	NM_001276326.1
UniProt Accession #	Q96S37; Q19PF7; Q19PF8; Q19PF9; Q19PG0; Q6UXW3; Q96DT2; B7WPG1; G3XAN7
Molecular Weight	56,094 Da
NCBI Official Full Name	solute carrier family 22 member 12 isoform c
NCBI Official Synonym Full Names	solute carrier family 22 member 12
NCBI Official Symbol	SLC22A12
NCBI Official Synonym Symbols	RST; OAT4L; URAT1
NCBI Protein Information	solute carrier family 22 member 12
UniProt Protein Name	Solute carrier family 22 member 12
UniProt Gene Name	SLC22A12
UniProt Synonym Gene Names	OATL4; URAT1; RST

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.