

Human Urotensin 2 (UST2) ELISA Kit | UST2 elisa kit

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CATALOG #
AAA181909

REACTIVITY
Human

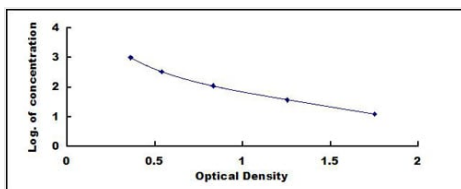
PRODUCT SYNONYMS

Urotensin 2 (UST2); Human Urotensin 2 (UST2) ELISA Kit; UII; U-II; UCN2; PRO1068; Urotensin-II; UST2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Urotensin 2 (UST2). No significant cross-reactivity or interference between Urotensin 2 (UST2) and analogues was observed.
Sequence Length	124
Assay Type	Competitive Inhibition
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates and Other Biological Fluids
Detection Range	12.35-1000pg/mL
Sensitivity	< 4.96pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Urotensin 2 (UST2) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Urotensin 2 (UST2) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for UST2 elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Urotensin 2 (UST2) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Urotensin 2 (UST2) and unlabeled Urotensin 2 (UST2) (Standards or samples) with the pre-coated antibody specific to Urotensin 2 (UST2). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Urotensin 2 (UST2) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Urotensin 2 (UST2) in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5803209
NCBI GeneID	10911
NCBI Accession #	NP_006777.1
NCBI GenBank Nucleotide #	NM_006786.3
UniProt Accession #	O95399; Q5H8X7; Q6UXF6; Q9UKP7
Molecular Weight	16,029 Da
NCBI Official Full Name	urotensin-2 isoform b preproprotein
NCBI Official Synonym Full Names	urotensin 2
NCBI Official Symbol	UTS2
NCBI Official Synonym Symbols	UII; U-II; UCN2; PRO1068
NCBI Protein Information	urotensin-2
UniProt Protein Name	Urotensin-2
UniProt Gene Name	UTS2
UniProt Synonym Gene Names	U-II; UII

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.