

Mouse Urotensin-2 (UTS2) ELISA Kit | UTS2 elisa kit

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CATALOG #
AAA332050

REACTIVITY
Mouse

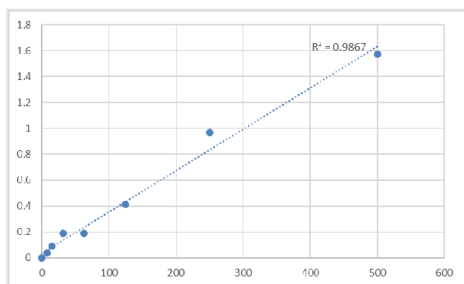
PRODUCT SYNONYMS

Urotensin-2 (UTS2); Mouse Urotensin-2 (UTS2) ELISA Kit; UTS2; PRO1068; U-II; UCN2; UII; UTS2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Urotensin-2 (UTS2) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse UTS2. No significant cross-reactivity or interference between Mouse UTS2 and analogues was observed.
Sequence Length	123
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Mouse Urotensin-2 (UTS2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for UTS2 elisa kit	Description: This Mouse Urotensin-2 (UTS2) ELISA Kit employs a two-site sandwich ELISA to quantitate UTS2 in samples. An antibody specific for UTS2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any UTS2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for UTS2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of UTS2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Urotensin-II (U-II) is a peptide ligand, initially isolated from the neurosecretory system of the Goby fish (Gillichthys mirabilis) Bern et al. 1969. For many years it was thought that U-II does not exhibit significant effects in mammalian systems; a view quickly overturned when it was demonstrated that Goby U-II produces slow relaxation of mouse annococygeus muscle, in addition to contraction of rat artery segments. In 1998, the cDNA encoding a U-II precursor was cloned in humans, unequivocally demonstrating its existence in mammalian species.As with other peptide ligands, U-II is synthesised from a larger precursor molecule, known as Prepro-urotensin-II, two isoforms have been identified in man of lengths 124 and 139 residues. Cleavage of either of these precursors produces identical, eleven residue, mature U-II peptides.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6755931
NCBI GeneID	24111
NCBI Accession #	NP_036040.1
NCBI GenBank Nucleotide #	NP_036040.1
UniProt Accession #	Q9QZQ3
NCBI Official Full Name	urotensin-2 preproprotein
NCBI Official Synonym Full Names	urotensin 2
NCBI Official Symbol	Uts2
NCBI Official Synonym Symbols	UII; Ucn2; prepro-UII
NCBI Protein Information	urotensin-2
UniProt Protein Name	Urotensin-2
UniProt Gene Name	Uts2
UniProt Synonym Gene Names	Ucn2; 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.