

## Mouse Urotensin II ELISA Kit | U-II elisa kit

Mouse Urotensin II ELISA Kit

CATALOG #  
**AAA90333**

REACTIVITY  
**Mouse**

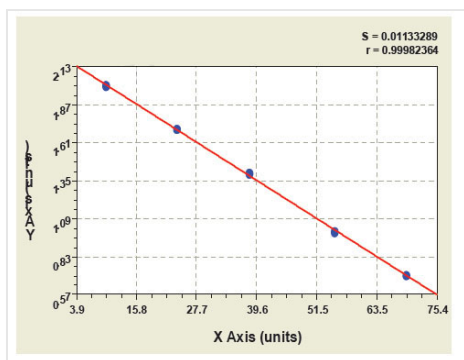
### PRODUCT SYNONYMS

Urotensin II; Mouse Urotensin II ELISA Kit; U-II elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                                  |
| Sequence Length         | 123                                                                                                                                                                                    |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                             |
| Assay Type              | Competitive                                                                                                                                                                            |
| Detection Range         | 5.0-100ng/mL                                                                                                                                                                           |
| Sensitivity             | 1.0ng/mL                                                                                                                                                                               |
| Intended Uses           | This U-II ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of mouse U-II. This ELISA kit for research use only, not for therapeutic applications! |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                    |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for U-II elisa kit | <b>Principle of the Assay:</b> U-II ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-U-II antibody and an U-II-HRP conjugate. The assay sample and buffer are incubated together with U-II-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the U-II concentration since U-II from samples and U-II-HRP conjugate compete for the anti-U-II antibody binding site. Since the number of sites is limited, as more sites are occupied by U-II from the sample, fewer sites are left to bind U-II-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The U-II concentration in each sample is interpolated from this standard curve. |
| Product Categories/Family for U-II elisa kit   | Signal Transduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

NCBI AND UNIPROT INFORMATION

|                                  |             |
|----------------------------------|-------------|
| NCBI GI #                        | 9507227     |
| NCBI GeneID                      | 29180       |
| NCBI Accession #                 | NP_062033.1 |
| NCBI GenBank Nucleotide #        | NM_019160.2 |
| UniProt Accession #              | Q9QZQ4      |
| Molecular Weight                 | 13,614 Da   |
| NCBI Official Full Name          | urotensin-2 |
| NCBI Official Synonym Full Names | urotensin 2 |
| NCBI Official Symbol             | Uts2        |
| NCBI Official Synonym Symbols    | Ucn2        |
| NCBI Protein Information         | urotensin-2 |
| UniProt Protein Name             | Urotensin-2 |
| UniProt Gene Name                | Uts2        |
| UniProt Synonym Gene Names       | U-II; UII   |
| UniProt Entry Name               | UTS2_RAT    |

**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.