

## Mouse neuromedin U (NMU) ELISA Kit | NMU elisa kit

Mouse neuromedin U (NMU) ELISA Kit

CATALOG #  
**AAA27158**

REACTIVITY  
**Mouse**

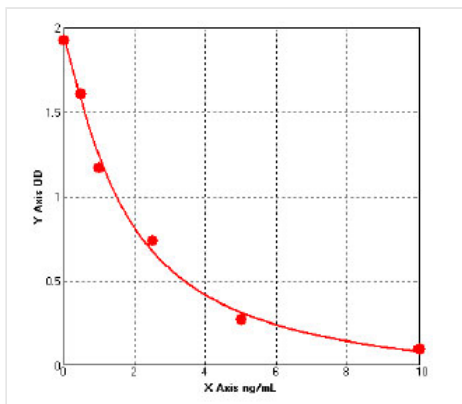
### PRODUCT SYNONYMS

neuromedin U (NMU); Mouse neuromedin U (NMU) ELISA Kit; NMU elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                                                                                                                                                                                                                                 |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of NMU. No significant cross-reactivity or interference between NMU and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between NMU and all the analogues, therefore, cross reaction may still exist in some cases. |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                              |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                            |
| Sensitivity             | 0.1 ng/ml                                                                                                                                                                                                                                                                                                                                                                             |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                   |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for NMU elisa kit | <p>Principle of the Assay: NMU ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-NMU antibody and an NMU-HRP conjugate. The assay sample and buffer are incubated together with NMU-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 NMU concentration since NMU from samples and NMU-HRP conjugate compete for the anti-NMU antibody binding site. Since the number of sites is limited, as more sites are occupied by NMU from the sample, fewer sites are left to bind NMU-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NMU concentration in each sample is interpolated from this standard curve.</p> <p>Intended Uses: This NMU ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse NMU. This ELISA kit for research use only, not for therapeutic or diagnostic applications!</p> |
| Product Categories/Family for NMU elisa kit   | Neuroscience                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

NCBI AND UNIPROT INFORMATION

|                                  |                          |
|----------------------------------|--------------------------|
| NCBI GI #                        | 609013                   |
| NCBI GeneID                      | 10874                    |
| UniProt Accession #              | P48645                   |
| Molecular Weight                 | 19,741 Da                |
| NCBI Official Full Name          | neuromedin U             |
| NCBI Official Synonym Full Names | neuromedin U             |
| NCBI Official Symbol             | NMU                      |
| NCBI Protein Information         | neuromedin-U; prepro-NMU |
| UniProt Protein Name             | Neuromedin-U             |
| UniProt Gene Name                | NMU                      |
| UniProt Synonym Gene Names       | NmU-25                   |
| UniProt Entry Name               | NMU_HUMAN                |

**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.