

Rat Neuromedin U (NMU) ELISA Kit | NMU elisa kit

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CATALOG #
AAA140632

REACTIVITY
Rat

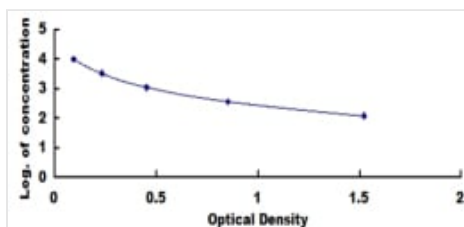
PRODUCT SYNONYMS

Neuromedin U (NMU); Rat Neuromedin U (NMU) ELISA Kit; NM-U; NMU elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Neuromedin U (NMU). No significant cross-reactivity or interference between Neuromedin U (NMU) and analogues was observed.
Sequence Length	174
Assay Type	Competitive Inhibition
Samples	Serum, Plasma and other biological fluids
Detection Range	123.5-10,000pg/mL
Sensitivity	49.4pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Neuromedin U (NMU) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Neuromedin U (NMU) 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 NMU elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Neuromedin U (NMU) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Neuromedin U (NMU) and unlabeled Neuromedin U (NMU) (Standards or samples) with the pre-coated antibody specific to Neuromedin U (NMU). 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 Neuromedin U (NMU) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Neuromedin U (NMU) in the sample.
Product Categories/Family for NMU elisa kit	Endocrinology; Cardiovascular biology; Neuroscience; Gastroenterology; Hormone metabolism; Bone metabolism

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
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.

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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/neuromedin-u-nmu/140632>