

Human neuromedin U (NMU) ELISA Kit | NMU elisa kit

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CATALOG #
AAA244812

REACTIVITY
Human

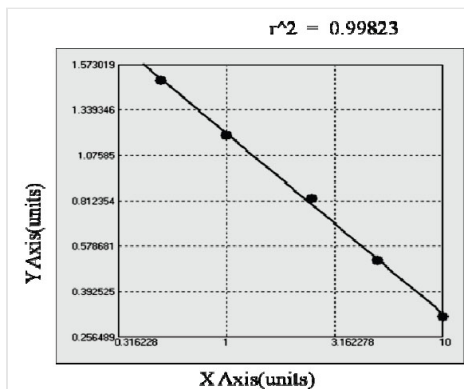
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This NMU ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human NMU. 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 NMU elisa kit

Principle of the assay: NMU ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal 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.

Product Categories/Family for NMU elisa kit	Neuroscience
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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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/neuromedin-u-nmu/244812>