Datasheet for ABIN6810513

Neuromedin U ELISA Kit

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Overview

Quantity:	96 tests
Target:	Neuromedin U (NMU)
Reactivity:	Human, Rat, Mouse
Method Type:	Competition ELISA
Detection Range:	0.1 ng/mL - 1000 ng/mL
Minimum Detection Limit:	0.1 ng/mL
Application:	ELISA

Product Details

Purpose:	Human/Mouse/Rat Neuromedin-U EIA Kit optimized for serum, plasma and cell culture media. Competition-based ELISA on a 96-well strip plate.
Sample Type:	Cell Culture Supernatant, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	This EIA kit is designed to detect human, mouse, and rat Neuromedin-U
Sensitivity:	0.2 ng/mL
Characteristics:	• Strip plates and additional reagents allow for use in multiple experiments • Quantitative protein detection • Establishes normal range • The best products for confirmation of antibody array data

Product Details

Components:	• Pre-Coated 96-well Strip Microplate • Wash Buffer • Standard Peptide • Assay Diluent(s) • Biotinylated Peptide • HRP-Streptavidin • TMB One-Step Substrate • Stop Solution • Assay Diagram • Positive Control Sample • Capture Antibody • User Manual
Material not included:	• Distilled or deionized water • Precision pipettes to deliver 2 µL to 1 mL volumes • Adjustable 1-25 mL pipettes for reagent preparation • 100 mL and 1 liter graduated cylinders • Tubes to prepare standard and sample dilutions • Orbital shaker • Aluminum foil • Saran Wrap • Absorbent paper • Microplate reader capable of measuring absorbance at 450nm • SigmaPlot software (or other software that can perform four-parameter logistic regression models)

Target Details

Target:	Neuromedin U (NMU)
Alternative Name:	Neuromedin-U (NMU Products)
Gene ID:	10874
UniProt:	P48645
Pathways:	Feeding Behaviour, Photoperiodism

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Protocol:	1. Prepare all reagents, samples and standards as instructed. 2. Add 100 µL detection antibody to each well.

Application Details

3. Incubate 1.5 h at RT or O/N at 4 °C.
4. Add 100 µL standard or sample to each well.
5. Incubate 2.5 h at RT.
6. Add 100 µL prepared streptavidin solution.
7. Incubate 45 min at RT.
8. Add 100 µL TMB One-Step Substrate Reagent to each well.
9. Incubate 30 min at RT.
10. Add 50 µL Stop Solution to each well.
11. Read plate at 450 nm immediately.

Reagent Preparation:	Recommended Dilution for serum and plasma samplesHuman: 16x / Mouse: 16x / Rat: 8x
Restrictions:	For Research Use only

Handling

Storage:	-20 °C
Storage Comment:	Standard, biotinylated peptide, and positive control should be stored at -20°C after arrival. Avoid multiple freeze-thaws. The remaining kit components may be stored at 4°C. Opened microplate wells and antibody (Item N) may be stored for up to 1 month at 2° to 8°C. Return unused wells to the pouch containing desiccant pack and reseal along entire edge.
Expiry Date:	6 months