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Datasheet for ABIN4881318
NUCB2 ELISA Kit

Overview

Quantity:	96 tests
Target:	NUCB2
Reactivity:	Rat, Human, Mouse
Method Type:	Competition ELISA
Detection Range:	0.1-1.000 ng/mL
Minimum Detection Limit:	0.1 ng/mL
Application:	ELISA

Product Details

Purpose:	Human/Mouse/Rat Nucleobindin-2 EIA Kit optimized for serum and cell culture supernatants. Competition-based ELISA on a 96-well strip plate.
Sample Type:	Cell Culture Supernatant, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	This kit detects 420aa Nucleobindin-2 protein. Cross Reactivity: This EIA kit shows no cross-reactivity with any of the cytokines tested: Ghrelin, Angiotensin II, NPY and APC.
Sensitivity:	147 pg/mL
Characteristics:	<ul style="list-style-type: none">• Strip plates and additional reagents allow for use in multiple experiments

Product Details

- Quantitative protein detection
- Establishes normal range
- The best products for confirmation of antibody array data

- 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 μ L 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:	NUCB2
Alternative Name:	Nucleobindin-2 (NUCB2 Products)
Gene ID:	4925
UniProt:	P80303

Application Details

Application Notes: Recommended Dilution for serum and plasma samples Human: 4X / Mouse: 4X / Rat: 2X

Application Details

Sample Volume: 100 µL

Plate: Pre-coated

Protocol:

1. Prepare all reagents, samples and standards as instructed.
2. Add 100 µL detection antibody to each well.
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.

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
