antibodies -online.com







POMC ELISA Kit





Overview

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

Product Details	
Purpose:	Human/Mouse/Rat Melanotropin beta 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 Melanotropin beta
Sensitivity:	0.4 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:	POMC	
Alternative Name:	Melanotropin beta (POMC Products)	
Gene ID:	5443	
UniProt:	P01189	
Pathways:	Metabolism of Steroid Hormones and Vitamin D, Peptide Hormone Metabolism, Hormone Activity, Feeding Behaviour	

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Plate:	Pre-coated

Application Details

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.

Reagent Preparation:

Recommended Dilution for serum and plasma samples Human: 2x / Mouse: 2x / Rat: 2x

Restrictions:

For Research Use only

Handling

Sto	rage

-20 °C

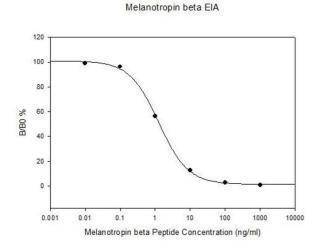
Storage Comment:

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

Images



ELISA

Image 1. Standard Curve