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Datasheet for ABIN2748200
IGFBP5 ELISA Kit

Overview

Quantity: 96 tests

Target: IGFBP5

Reactivity: Pig

Method Type: Sandwich ELISA

Application: ELISA

Product Details

Purpose: Custom Porcine (pig) Insulin-like Growth Factor Binding Protein 5 (IGFBP5) ELISA Kit.

Sample Type: Cell Culture Supernatant, Cell Lysate, Plasma, Serum, Tissue Lysate

Analytical Method: Quantitative

Detection Method: Colorimetric

Specificity: The antibody pair provided in this kit recognizes Porcine Insulin-like Growth Factor Binding Protein 5 (IGFBP5)

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

Components:

- Pre-Coated 96-well Strip Microplate
- Wash Buffer
- Stop Solution
- Assay Diluent(s)
- Lyophilized Standard

Product Details

- Biotinylated Detection Antibody
- Streptavidin-Conjugated HRP
- TMB One-Step Substrate

Material not included:

- Distilled or deionized water
- Precision pipettes to deliver 2 µL to 1 µL volumes
- Adjustable 1-25 µL pipettes for reagent preparation
- 100 µL and 1 liter graduated cylinders
- Tubes to prepare standard and sample dilutions
- Absorbent paper
- Microplate reader capable of measuring absorbance at 450nm
- Log-log graph paper or computer and software for ELISA data analysis

Target Details

Target: IGFBP5

Alternative Name: IGFBP-5 ([IGFBP5 Products](#))

Background: Insulin-like Growth Factor Binding Protein 5 (IGFBP5)

Gene ID: 397182

UniProt: [Q28985](#)

Pathways: [WNT Signaling](#), [Carbohydrate Homeostasis](#), [Myometrial Relaxation and Contraction](#), [Regulation of Carbohydrate Metabolic Process](#), [Autophagy](#), [Smooth Muscle Cell Migration](#), [Growth Factor Binding](#)

Application Details

Sample Volume: 100 µL

Plate: Pre-coated

Protocol:

1. Prepare all reagents, samples and standards as instructed in the manual.
2. Add 100 µL of standard or sample to each well.
3. Incubate 2.5 h at RT or O/N at 4 °C.
4. Add 100 µL of prepared biotin antibody to each well.
5. Incubate 1 h at RT.
6. Add 100 µL of prepared Streptavidin solution to each well.
7. Incubate 45 min at RT.
8. Add 100 µL of TMB One-Step Substrate Reagent to each well.
9. Incubate 30 min at RT.

Application Details

10. Add 50 μL of Stop Solution to each well.
11. Read at 450 nm immediately.

Assay Procedure: Prepare all reagents, samples and standards as instructed in the manual. Add 100 μL of standard or sample to each well. Incubate 2.5 h at RT or O/N at 4 °C. Add 100 μL of prepared biotin antibody to each well. Incubate 1 h at RT. Add 100 μL of prepared Streptavidin solution to each well. Incubate 45 min at RT. Add 100 μL of TMB One-Step Substrate Reagent to each well. Incubate 30 min at RT. Add 50 μL of Stop Solution to each well. Read at 450 nm immediately.

Restrictions: For Research Use only

Handling

Storage: -20 °C

Storage Comment: The entire kit may be stored at -20°C for up to 1 year from the date of shipment. Avoid repeated freeze-thaw cycles. The kit may be stored at 4°C for up to 6 months. For extended storage, it is recommended to store at -80°C.

Expiry Date: 6 months