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Datasheet for ABIN2748060

EGF ELISA Kit

1 Image

Overview

Quantity:	96 tests
Target:	EGF
Reactivity:	Human, Rhesus Monkey
Method Type:	Sandwich ELISA
Detection Range:	8-2.000 pg/mL
Minimum Detection Limit:	8 pg/mL
Application:	ELISA

Product Details

Purpose:	Rhesus Monkey EGF ELISA Kit for cell culture supernatants, plasma, and serum samples.
Sample Type:	Plasma, Cell Culture Supernatant, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	This ELISA antibody pair detects Rhesus Monkey EGF and human EGF.
Sensitivity:	8 pg/mL
Characteristics:	<ul style="list-style-type: none">• 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:	<ul style="list-style-type: none">• Pre-Coated 96-well Strip Microplate

Product Details

- Wash Buffer
- Stop Solution
- Assay Diluent(s)
- Lyophilized Standard
- 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: EGF

Alternative Name: EGF ([EGF Products](#))

Background: EGF-like module-containing mucin-like hormone receptor-like 2 (EGF-like module receptor 2) (CD antigen CD312)

Gene ID: 654420

UniProt: [Q2Q426](#)

Pathways: [NF-kappaB Signaling](#), [RTK Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Regulation of Carbohydrate Metabolic Process](#), [Hepatitis C](#), [Protein targeting to Nucleus](#), [Interaction of EGFR with phospholipase C-gamma](#), [Thromboxane A2 Receptor Signaling](#), [EGFR Downregulation](#)

Application Details

Application Notes: Recommended Dilution for serum and plasma samples 3 fold

Sample Volume: 100 µL

Plate: Pre-coated

Protocol: 1. Prepare all reagents, samples and standards as instructed in the manual.

Application Details

2. Add 100 μ L of standard or sample to each well.
3. Incubate 2.5 h at RT or O/N at 4 $^{\circ}$ C.
4. Add 100 μ L of prepared biotin antibody to each well.
5. Incubate 1 h at RT.
6. Add 100 μ L of prepared Streptavidin solution to each well.
7. Incubate 45 min at RT.
8. Add 100 μ L of TMB One-Step Substrate Reagent to each well.
9. Incubate 30 min at RT.
10. Add 50 μ L 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 μ L of standard or sample to each well. Incubate 2.5 h at RT or O/N at 4 $^{\circ}$ C. Add 100 μ L of prepared biotin antibody to each well. Incubate 1 h at RT. Add 100 μ L of prepared Streptavidin solution to each well. Incubate 45 min at RT. Add 100 μ L of TMB One-Step Substrate Reagent to each well. Incubate 30 min at RT. Add 50 μ L of Stop Solution to each well. Read at 450 nm immediately.

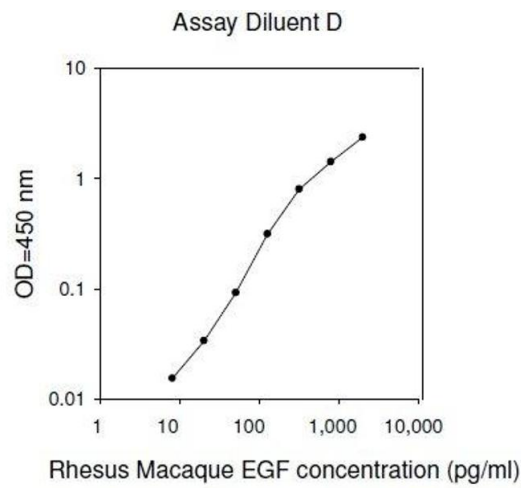
Restrictions: For Research Use only

Handling

Storage: -20 $^{\circ}$ C

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

Expiry Date: 6 months



ELISA

Image 1.