

Datasheet for ABIN2747954
Angiotensin 1 ELISA Kit



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1 Image

Overview

Quantity:	96 tests
Target:	Angiotensin 1 (ANGPT1)
Reactivity:	Human, Rat
Method Type:	Sandwich ELISA
Detection Range:	0.4-100 ng/mL
Minimum Detection Limit:	0.4 ng/mL
Application:	ELISA

Product Details

Purpose:	Rat Angiotensin-1 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 rat angiotensin-1 and human angiotensin-1. Other species not determined.
Sensitivity:	0.4 ng/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

Product Details

Components:	<ul style="list-style-type: none">• Pre-Coated 96-well Strip Microplate• Wash Buffer• Stop Solution• Assay Diluent(s)• Lyophilized Standard• Biotinylated Detection Antibody• Streptavidin-Conjugated HRP• TMB One-Step Substrate
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Material not included:	<ul style="list-style-type: none">• 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
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Target Details

Target:	Angiopoietin 1 (ANGPT1)
Alternative Name:	Angiopoietin-1 (ANGPT1 Products)
Background:	Angiopoietin-1 (ANG-1)
Gene ID:	89807
UniProt:	O35460
Pathways:	RTK Signaling , Glycosaminoglycan Metabolic Process

Application Details

Application Notes:	Recommended Dilution for serum and plasma samples 2 fold
Sample Volume:	100 μ L
Plate:	Pre-coated
Protocol:	<ol style="list-style-type: none">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 $^{\circ}$C.4. Add 100 μL of prepared biotin antibody to each well.5. Incubate 1 h at RT.

Application Details

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.
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 $^{\circ}\text{C}$. 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

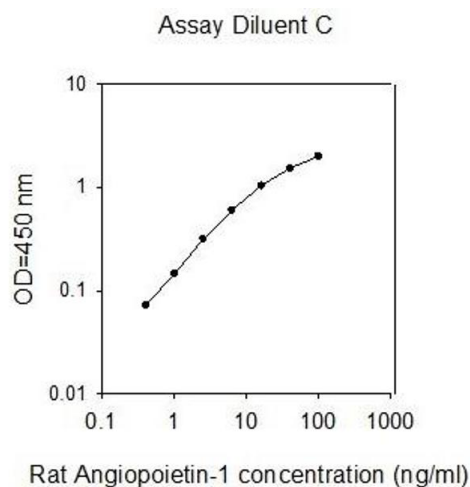
Handling

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

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

Expiry Date: 6 months

Images



ELISA

Image 1.