

Datasheet for ABIN6720146
Endothelin ELISA Kit[Go to Product page](#)

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Overview

Quantity:	1 kit
Target:	Endothelin
Reactivity:	Rat
Method Type:	Sandwich ELISA
Detection Range:	3.9 pg/mL - 250 pg/mL
Minimum Detection Limit:	3.9 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: Big endothelin 1, ET1, HDLCQ7, PPET1, Preproendothelin 1, EDN2, EDN2_HUMAN, Endothelin 2, Endothelin-2, ET 2, ET-2, ET2, PPET2, Preproendothelin 2, Preproendothelin-2, EDN3, EDN3_HUMAN, Endothelin-3, ET 3, ET-3, PPET3, Preproendothelin 3, Preproendothelin-3</p> <p>Background: The endothelins is a family of structurally and pharmacologically distinct peptides, which has been identified and sequenced in humans. Three isoforms of human endothelin have been identified: endothelin-1, -2, and -3. Endothelin-1 is a potent, 21-amino acid vasoconstrictor peptide produced by vascular endothelial cells. Endothelins are 21-amino acid vasoconstricting peptides produced primarily in the endothelium having a key role in vascular homeostasis.</p>

Product Details

Endothelins are implicated in vascular diseases of several organ systems, including the heart, general circulation and brain. Endothelins are proteins that constrict blood vessels and raise blood pressure. They are normally kept in balance by other mechanisms, but when they are over-expressed, they contribute to high blood pressure(hypertension) and heart disease.

Gene Name: EDN1

Production: Natural and recombinant rat Endothelin. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: , Immunogen sequence: C53-W73

Target Details

Target: Endothelin

Abstract: [Endothelin Products](#)

Gene ID: 24323

NCBI Accession: [NP_036680](#)

UniProt: [P22388](#)

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL, 16.5pg/mL, 7.8pg/mL, 3.9pg/mL rat Endothelin standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of rat cell culture supernatants, serum or plasma(heparin, EDTA) to each empty well. We recommend that each rat Endothelin standard solution and each sample is measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 3.9pg/mL-250pg/mL

Sample Volume: 100 µL

Plate: Pre-coated

Restrictions: For Research Use only

Handling

Storage: RT,4 °C,-20 °C

Handling

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images

