Endothelin-1 ELISA kit

Sensitive, rapid Endothelin-1 ELISA kit for cardiovascular and stress-related research.

The Endothelin-1 EIA kit is a colorimetric immunometric enzyme immunoassay kit with results in 2 hours. This ultra-sensitive kit lets you quantify as little as 0.41 pg/mL ET-1 in a variety of biological matrices with the option of overnight or a 1 hour primary incubation.

Endothelins (ET) are isopeptides produced by vascular endothelium that have potent vasoconstrictive activity. The peptides are encoded by three separate genes and processed to yield 39-residue "Big ET" molecules which are further processed to the 21 amino acid sequences designated ET-1, ET-2 and ET-3. ET action is mediated via binding to two receptors, ET_A and ET_B. Activation of ET_A increases vasoconstriction and sodium retention, thereby increasing blood pressure. Activation of ET_B receptors triggers the release of vasorelaxive factors such as nitric oxide (NO) and prostanoids from endothelial cells and increases urine production and elimination, thereby lowering blood pressure.

Citations: 60 View Online »

Ordering Information

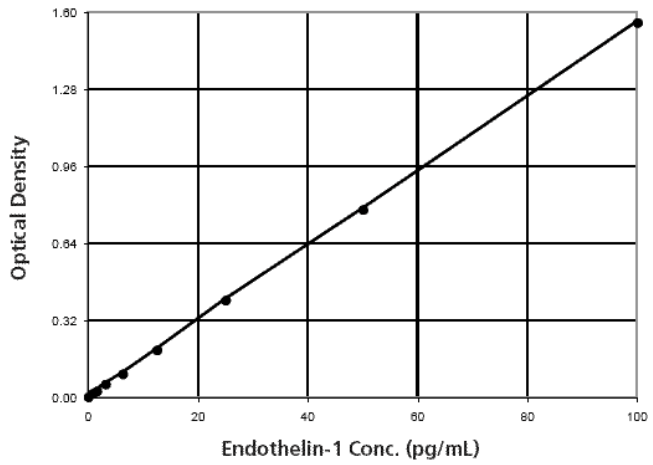
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ADI-900-020A	96 wells

Manuals, SDS & CofA

View Online »

- Highly sensitive measurement, quantify as little as 0.41 pg/ml ET-1, allowing you read both normal and pathological samples
- Higher throughput format with results in just 2 hours for up to 38 samples in duplicate
- Flexible option of overnight or 1 hour primary incubation
- Suitable for a variety of sample matrices


1.60
1.28
0.96
0.64
0.32
0.00
Optical Density
0
20
40
60
80
100
Endothelin-1 Conc. (pg/mL)

Handling & Storage

Long Term Storage	+4°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Application	Colorimetric detection, ELISA
Application Notes	For the quantitative determination of ET-1 in culture supernatants, plasma, and serum of human, mouse, rat, cow, dog, pig, and rabbit origin. Cited sample types include cell lysates and tissue homogenates.
Assay Time	2 hours
Compatibility	This product is compatible with the **Absorbance 96 Plate Reader**.
Contents	Microtiter plate, Antibody diluent, Antibody concentrate, Assay buffer 17, Wash buffer concentrate, Standard, TMB Substrate, Stop solution 2
Sensitivity	0.41 pg/ml (range 0.78 – 100 pg/ml)
Species Reactivity	Bovine, Dog, Human, Mouse, Porcine, Rabbit, Rat
UniProt ID	P05305
Wavelength	450 nm

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