

## Rat Endothelin 1 ELISA Kit | EDN1 elisa kit

Rat Endothelin 1 ELISA Kit

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| CATALOG #<br><b>AAA105864</b> | REACTIVITY<br><b>Rat</b> | APPLICATIONS<br><b>ELISA</b> |
|-------------------------------|--------------------------|------------------------------|

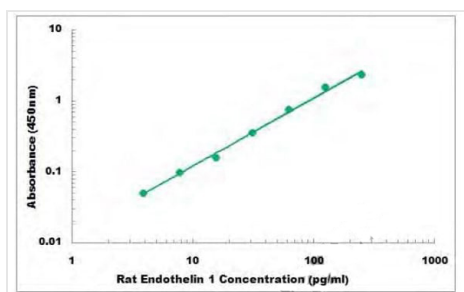
### PRODUCT SYNONYMS

Endothelin 1; Rat Endothelin 1 ELISA Kit; Endothelin-1; Preproendothelin-1; PPET1; EDN1 elisa kit

### PRODUCT SPECIFICATIONS

|                                            |                                                                                                                                                                                                    |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                 | Rat                                                                                                                                                                                                |
| Specificity                                | The Rat Endothelin 1 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Rat Endothelin 1 proteins within the range of 3.9 pg/ml - 250 pg/ml. |
| Sequence Length                            | 202                                                                                                                                                                                                |
| Samples                                    | Cell culture supernatants, serum, plasma                                                                                                                                                           |
| Sensitivity                                | < 0.5 pg/ml                                                                                                                                                                                        |
| Applicable Applications for EDN1 elisa kit | ELISA (Sandwich ELISA)                                                                                                                                                                             |
| Preparation and Storage                    | Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.                                                                                        |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| Related Product Information for EDN1 elisa kit | <p>Principle of the Assay: The AAA Biotech' Rat Endothelin 1 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Rat Endothelin 1 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Rat Endothelin 1 coated on a 96-well plate. Standards and samples are pipetted into the wells and Endothelin 1 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Rat Endothelin 1 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of Endothelin 1 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.</p> <p>Background/Introduction: 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. 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.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                               |
|----------------------------------|-----------------------------------------------|
| NCBI GI #                        | 6978791                                       |
| NCBI GeneID                      | 24323                                         |
| NCBI Accession #                 | NP_036680.1                                   |
| NCBI GenBank Nucleotide #        | NM_012548.2                                   |
| UniProt Accession #              | P22388                                        |
| Molecular Weight                 | 23,135 Da                                     |
| NCBI Official Full Name          | endothelin-1 preproprotein                    |
| NCBI Official Synonym Full Names | endothelin 1                                  |
| NCBI Official Symbol             | Edn1                                          |
| NCBI Official Synonym Symbols    | Et1                                           |
| NCBI Protein Information         | endothelin-1; ET-1; PPET1; preproendothelin-1 |
| UniProt Protein Name             | Endothelin-1                                  |
| UniProt Gene Name                | Edn1                                          |
| UniProt Synonym Gene Names       | ET-1; PPET1                                   |
| UniProt Entry Name               | EDN1_RAT                                      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/edn1-rat-elisa-kits/endothelin-1/105864>