

Guinea pig Endothelin 1 (ET-1) ELISA Kit

Catalog No: #EK11262



Package Size: #EK11262-1 48T #EK11262-2 96T

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Description

Product Name	Guinea pig Endothelin 1 (ET-1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Guinea pig (Cavia)
Other Names	ET1; HDLCQ7; preproendothelin 1
Accession No.	P97740
Uniprot	P97740
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

Application Details

Detect Range:6.17-500 pg/mL

Sensitivity:2.82 pg/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:Sandwich Test principle:This assay employs a two-site sandwich ELISA to quantitate EDN1 in samples. An antibody specific for EDN1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyEDN1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for EDN1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of EDN1 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:Endothelin-1(ET-1), a peptide of 21 amino acid residues, is the most potent vasoconstrictive substance known. Originally isolated from porcine aortic endothelial cells, ET-1 is now known to be one of a family of three mammalian vasoactive peptides that also includes Endothelin-2 (ET-2) and Endothelin-3 (ET-3). These related peptides differ from ET-1 at two and six amino acid residue positions, respectively. A fourth peptide, vasoactive intestinal contractor (VIC), is sometimes classified as rat ET-2. All members of the endothelin family contain two essential disulfide bridges and six conserved amino acid residues at the C-terminus. Additionally, all of the endothelin family members are synthesized initially as prepropolypeptides of approximately 200 amino acid residues encoded by separate genes.

Note: This product is for in vitro research use only