

Dog endothelin 1 ELISA Kit | EDN1 elisa kit

Dog Endothelin 1, ET-1 ELISA Kit

CATALOG #
AAA80494

REACTIVITY
Dog

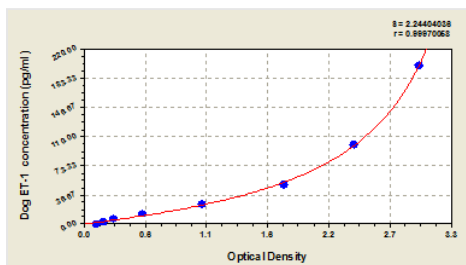
PRODUCT SYNONYMS

endothelin 1; Dog Endothelin 1; ET-1 ELISA Kit; ET1; HDLCQ7; preproendothelin 1; EDN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Dog
Specificity	This assay has high sensitivity and excellent specificity for detection of Dog EDN1. No significant cross-reactivity or interference between Dog EDN1 and analogues was observed.
Sequence Length	202
Samples	Serum, plasma and tissue homogenates
Detection Range	3.12 pg/ml-200 pg/ml
Sensitivity	0.78 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EDN1 elisa kit

Introduction: Endothelin-1(ET-1), a peptide of 21 amino acid residues, is the most potent vasoconstrictive substance known. Originally isolated from 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. The biochemistry and biology of the endothelins have been the subject of several reviews.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ET-1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for ET-1 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain ET-1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of ET-1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	50950175
NCBI GeneID	403424
NCBI Accession #	NP_001002956.1
NCBI GenBank Nucleotide #	NM_001002956.1
UniProt Accession #	P13206; Q765Z3; Q9BDC1
Molecular Weight	22,977 Da
NCBI Official Full Name	endothelin-1
NCBI Official Symbol	EDN1
NCBI Official Synonym Symbols	PPET1
NCBI Protein Information	endothelin-1; ET-1; preproendothelin-1; gene for endothelin
UniProt Protein Name	Endothelin-1
UniProt Gene Name	EDN1
UniProt Synonym Gene Names	ET-1; PPET1
UniProt Entry Name	EDN1_CANFA

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-dog-elisa-kits/endothelin-1/80494>