

## Product datasheet for **TA364376**

### Endothelin 1 (EDN1) Guinea Pig Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	This antibody has been tested and validated in ELISA against. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user.
Reactivity:	Human, Bovine, Dog, Mouse, Porcine, Rat
Host:	Guinea Pig
Clonality:	Polyclonal
Immunogen:	Synthetic peptide H-Cys-Ser-Cys-Ser-Ser-Leu-Met-Asp-Lys-Glu-Cys- Val-Tyr-Phe-Cys-His-Leu-Asp-Ile-Ile-Trp-OH, (Disulfide bonds between Cys1 and Cys15/Cys3 and Cys11) coupled to carrier protein.
Formulation:	This polyclonal antibody is supplied as a lyophilized powder. The powder should be rehydrated with 50ml of RIA buffer. Upon reconstitution to 50ml total volume, the solution contains 0.1M sodium phosphate buffer (pH 7.4), 0.05M NaCl, 0.1% BSA, 0.01% Na <sub>3</sub> N, and 0.1% Triton X-100. Store at 4° - 8°C. This should ensure antibody stability for approximately one month.
Concentration:	N/A
Conjugation:	Unconjugated
Storage:	Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
Gene Name:	endothelin 1
Database Link:	<a href="#">Entrez Gene 1906 Human P05305</a>



[View online »](#)

**Background:**

Endothelin (ET-1) is a 21 amino acid peptide, also known as preproendothelin-1 (PPET1), that is produced by the vascular endothelium from a 39 amino acid precursor, big ET-1, through the actions of an endothelin converting enzyme (ECE) found on the endothelial cell membrane. ET-1 is involved in regulation of cardiovascular functions where it has been implicated in the pathogenesis of hypertension, coronary vasospasm, and heart failure. It is also known to causes fibrosis of the vascular cells as well as to stimulate production of reactive oxygen species. This antibody was generated by immunization of guinea pigs with Endothelin-1 coupled to a carrier protein.

**Synonyms:**

ET1; HDLCQ7; PPET1; Preproendothelin-1