

Product datasheet for **TA364230**

Endothelin 1 (EDN1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	This antibody has been tested and validated in ELISA against Big Endothelin-1. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user.
Reactivity:	Human
Host:	Rabbit
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-Val-Asn-Thr-Pro-Glu-His-Val- Val-Pro-Tyr-Gly-Leu-Gly-Ser-Pro-Arg-Ser-OH (Disulfide bridge: 1 - 15 and 3 - 11) 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 ₃ 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:	Entrez Gene 1906 Human P05305



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- Background:** Big Endothelin-1 (Big ET), is a 38-amino-acid peptide and biological precursor of the potent vasoconstrictor Endothelin-1. It is cleaved to yield endothelin-1 and the C-terminal fragment (22-38) via the activity of a membrane-bound metalloproteinase called endothelin-converting enzyme (ECE). Endothelin is produced by several cell types including vascular endothelial cells, Mesangial cells and kidney cells. Big Endothelin-1 can be hydrolyzed by chymase to generate endothelin 1 (1-21) in vitro. This antibody was generated by immunization of rabbits with Big Endothelin-1 coupled to a carrier protein.
- Synonyms:** ET1; HDLCQ7; PPET1; Preproendothelin-1