

## Product datasheet for **TA364259**

### 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:           | Rat  |
| 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:          | Each vial contains enough antiserum for 500 RIA tubes. The powder should be rehydrated with 50ml 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% NaN <sub>3</sub> , and 0.1% Triton X-100. Store at 4°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 24323 Rat P22388</a>   |
| Background:           | Big Endothelin-1 (1-38) is a biological precursor of endothelin 1 (1-21). It is cleaved to yield endothelin-1 via the activity of an endothelin-converting enzyme (ECE), a membrane-bound metalloproteinase, that leads to the active Endothelin (1-21) and to the biological inactive C-terminal fragment (22-38). 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   |



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