

Code No. 18201

Anti-Endothelin-1 Rabbit IgG Affinity Purify

Volume : 50 µg

Lot No : 9F-909

Introduction : Endothelins are 21 amino acid peptides that are produced ubiquitously by vascular endothelial cells, smooth muscle cells, and other cells in different organs. Endothelins are secreted as big-endothelins that are converted to active proteins by the endothelin-converting enzyme. These peptides possess many biological activities, such as vasoconstriction and mitogenesis, and are involved in numerous physiological and pathophysiological processes in humans. Elevated plasma levels of endothelin have been associated with heart failure, and increased immunoreactivity for endothelin is observed in transplant coronary artery disease.

Antigen : Synthetic peptide of a part of ET-1
(A common parts of Bovine, Canine, Human, Mouse, Porcine and Rat)

Purification : Affinity Purified with synthetic peptides
Absorbed by ET-3 peptides

Form : Lyophilized product from 1% BSA in PBS containing 0.05%NaN₃

How to use : 1.0 ml distilled water will be added to the product

Dilution : PBS (pH7.4) containing 1% BSA

Stability : Lyophilized product, 5 years at 2 – 8
: Solution, 2 years at –20

Application : This antibody can be stained in formalin fixed paraffin embedded tissues by Immunohistochemical techniques such as SAB Method. The optimal dilution is 3 ~ 5 µg/ml, however, the dilution rate should be optimized by each laboratories.

Specificity :

Endothelin-1	100.0%
Endothelin-2	1.0%
Endothelin-3	0.4%
Big Endothelin-1	100.0%
Big Endothelin-2	0.2%
Big Endothelin-3	0.4%
VIC	0.2%

Reference : Yanagisawa H., Nodera M., Kurihara N., and Wada O. Altered expression of endothelin-1 and endothelial nitric oxide synthase in the juxtaglomerular apparatus of rats with HgCl₂-induced acute renal failure. *Toxicology Letters* **98**: 181-188 (1998)

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