

Code No. 18205

**Anti-Rat  
Big Endothelin-1 (22-38) Rabbit IgG Affinity Purify**Volume : 50 µg

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**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 peptides of rat big endothelin-1 (22-38)

**Purification** : Affinity Purified with antigen peptides

**Form** : Lyophilized product from 1% BSA in PBS containing 0.05%NaN<sub>3</sub>

**How to use** : 1 ml distilled water will be added to the product

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

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

**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	0 %
Endothelin-2	0 %
Endothelin-3	0 %
Big Endothelin-1	100.0 %
Big Endothelin-2	<0.1 %
Big Endothelin-3	<0.1 %
VIC	0.1 %
Rat Big Endothelin	100.0 %

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