

**bs-0954R****[ Primary Antibody ]**

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**ET-1 Rabbit pAb****— DATASHEET —**

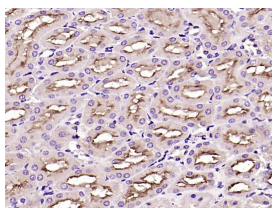
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG
<b>Clonality:</b> Polyclonal	
<b>GeneID:</b> 1906	<b>SWISS:</b> P05305
<b>Target:</b> ET-1	
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human ET-1(CSCSSLMDKECVYFCHLDIIW Disulfide bridges C1-C15, C3-C11): 53-73/202.	
<b>Purification:</b> affinity purified by Protein A	
<b>Concentration:</b> 1mg/ml	
<b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.	
<b>Background:</b> Endothelins (ET) show potent constrictor activity in vascular and non-vascular smooth muscle. This family of 21-amino acid peptides exists in at least three isoforms - ET-1, ET-2, and ET-3, and is produced in endothelial and epithelial cells. ET's can mediate biological effects in cells and tissues, and have been shown to bind to an ET receptor in the lung, kidney, heart, and liver. Endothelin 1 is expressed in lung, placental stem villi vessels and in cultured placental vascular smooth muscle cells. Molecular weight: 2491.9 Molecular formula: C109H159N25O32S5 CAS: 117399-94-7 MDL: MFCD00133305 Reconstitution: 1mM (1mg/0.4013mL)	

**Applications:** IHC-P (1:100-500)  
IHC-F (1:100-500)  
IF (1:100-500)  
Flow-Cyt (1ug/Test)

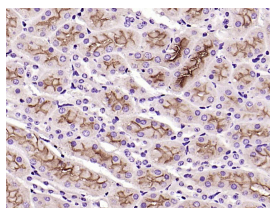
**Reactivity:** Human, Mouse, Rat  
(predicted: Pig, Sheep, Cow, Dog, GuineaPig, Horse)

**Predicted MW.:** 2.5/24 kDa

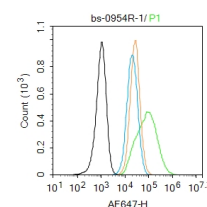
**Subcellular Location:** Secreted

**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded (rat kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ET-1) Polyclonal Antibody, Unconjugated (bs-0954R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ET-1) Polyclonal Antibody, Unconjugated (bs-0954R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control: A549. Primary Antibody (green line): Rabbit Anti-ET-1 antibody (bs-0954R) Dilution: 1μg / 10<sup>6</sup> cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-AF647 Dilution: 1μg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 0.1% PBST for 20 min at room temperature. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

**— SELECTED CITATIONS —**

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=15.304]** Jinbo Li. et al. Autophagy inhibition recovers deficient ICD-based cancer immunotherapy. BIOMATERIALS. 2022 Aug;287:121651 IF ;Mouse. 35777331
- **[IF=7.727]** Jinbo Li. et al. Low dose shikonin and anthracyclines coloaded liposomes induce robust immunogenetic cell death for synergistic chemo-immunotherapy. J Control Release. 2021 Jul;335:306 IHC ;Mouse. 34081995
- **[IF=6.785]** Tian B et al. Electrochemical Immunoassay of Endothelin-1 Based on a Fenton-Type Reaction Using Cu(II)-Containing Nanocomposites as Nanozymes Anal Chem. 2020 Dec 15;92(24):15916-15926. Other ;. 33263992
- **[IF=5.988]** Yang Liu. et al. Platycodon grandiflorus polysaccharides deeply participate in the anti-chronic bronchitis effects of platycodon grandiflorus decoction, a representative of "the lung and intestine are related". FRONT PHARMACOL. 2022 Sep 7;13:927384 IF ;Rat. 36160385
- **[IF=5.8]** Zhu Li. et al. Acod1/itaconate activates Nrf2 in pulmonary microvascular endothelial cells to protect against the obesity-induced pulmonary microvascular endotheliopathy. RESP RES. 2024 Dec;25(1):1-13 IF ;Mouse. 38730297