bsm-0954M **[Primary Antibody]**

ET-1(2C4) Mouse mAb

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DATASHEET

Host: Mouse
Isotype: IgG
Clonality: Monoclonal
CloneNo.: 2C4
GeneID: 1906
SWISS: P05305
Target: ET-1(2C4)
Immunogen: KLH conjugated synthetic peptide derived from human ET-1(CSCSSLMDKECVYFCHLDIIW Disulfide bridges C1-C15, C3-C11): 53-73/202.
Purification: affinity purified by Protein A
Concentration: 1mg/ml
Storage: Size : 50ul/100ul/200ul
0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Size : 200ug (PBS only)
0.01M PBS
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background: 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)

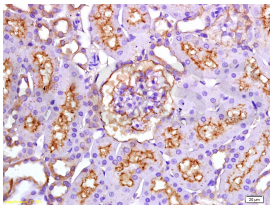
Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

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

Predicted MW.: 2.5/24 kDa

Subcellular Location: Secreted

VALIDATION IMAGES



Tissue/cell: rat kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-ET-1 Polyclonal Antibody, Unconjugated(bsm-0954M) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0024) and DAB(C-0010) staining

SELECTED CITATIONS

- **[IF=3.54]** Mai et al. Dyssynchronous pacing triggers endothelial-mesenchymal transition through heterogeneity of

mechanical stretch in a canine model. (2014) Circ.. 79:201-9 WB ;Canine. 25373595

- **[IF=1.924]** Di Cristofori A et al. Meningioma and Bone Hyperostosis: Expression of Bone Stimulating Factors and Review of the Literature.World Neurosurg. 2018 Jul;115:e774-e781. IHC ;Human. 29729471