

bsm-33176M**[Primary Antibody]****eNOS Mouse mAb****BioSS**
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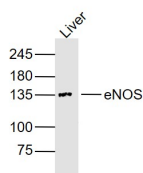
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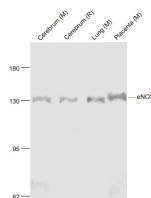
DATASHEET**Host:** Mouse**Clonality:** Monoclonal**GeneID:** 4846**Target:** eNOS**Purification:** affinity purified by Protein G**Concentration:** 1mg/ml

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.

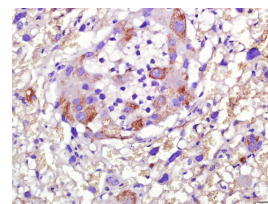
Background: Nitric oxide synthase NOS oxidizes a guanidine nitrogen of arginine releasing nitric oxide in the form of a free radical and citrulline. Nitric oxide thus generated acts as a messenger in diverse functions including vasodilation neurotransmission, anti tumor and anti pathogenic activities. NOS is classified under three types: neuronal NOS (nNOS) or brain NOS (bNOS); inducible NOS (iNOS) or macrophage NOS (mNOS); and endothelial NOS (eNOS).

Isotype: IgG**CloneNo.:** 8G1**SWISS:** P29474**Applications:** WB (1:500-1000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Reactivity:** Human, Mouse, Rat**Predicted MW.:** 133 kDa**Subcellular Location:** Cell membrane ,Cytoplasm**VALIDATION IMAGES**

Sample: Liver(mouse) Lysate at 40 ug Primary: Anti-eNOS (bsm-33176M) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 133kD
Observed band size: 135kD



Sample: Cerebrum (Mouse) Lysate at 40 ug Cerebrum (Rat) Lysate at 40 ug Lung (Mouse) Lysate at 40 ug Placenta (Mouse) Lysate at 40 ug
Primary: Anti-eNOS (bsm-33176M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 135 kD Observed band size: 135 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse placenta); 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 (eNOS/NOS-3) Monoclonal Antibody, Unconjugated (bsm-33176M) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

SELECTED CITATIONS

- **[IF=4.456]** Ecem Kaya-Sezginer. et al. Sodium butyrate ameliorates erectile dysfunction through fibrosis in a rat model of partial bladder outlet obstruction. ANDROLOGY-US. 2022 Jul; WB,IHC ;Rat. 35852413
- **[IF=3.4]** Xinran Xu. et al. Epigallocatechin gallate (EGCG) alleviates inflammation and endothelial dysfunction and improves pregnancy outcomes in preeclampsia (PE)-like rats via eNOS/Nrf2/HO-1 pathway. J REPROD IMMUNOL. 2024 May;104263 IHC,WB ;Rat. 38838579