

# Mouse Monoclonal Antibody to

## eNOS (phospho-Ser 1177)

### clone 15E2

**Order No.:** 0109-100/eNOS-15E2  
**Size (µg)** 100  
**Lot No.:** 0109S



2/220307F

Isotype	Species Reactivity	Applications	Mol. Weight	Ref.Cell Line	Epitope	Immunogen
IgG1	human, mouse	WB, ELISA	140 kDa	Bend3	phosphoserine 1177	phosphopeptide conjugated to KLH

#### Background and Specificity:

Endothelial NO synthase (eNOS) produces nitric oxid (NO) which plays a crucial role in cardiovascular homeostasis. Activation of the enzyme and NO production can be induced by phosphorylation of eNOS at serine 1177 by activated Akt/PKB.

**Mab eNOS-15E2** specifically recognizes eNOS phosphorylated at serine 1177 in Western blot and ELISA applications.

#### Related Products

- mab to PKB (phospho-Ser 473)**  
#0108-100/PKB-11E6
- mab to PKB (dephospho-Ser 473)**  
#0049-100/PKB-11A11
- mab to PKB (C-terminus)**  
#0119-100/PKB-5C10
- mab to PKBβ (Akt-2)**  
#0179-100/PKBb-8B7
- mab to PKBα (Akt-1)**  
#0144-100/PKBa-5G12
- mab to GSK3α (phospho-Ser 21)**  
#0158-100/GSK3a-9B8
- mab to GSK3β (phospho-Ser 9)**  
#0098-100/GSK3b-2D3  
#0185-100/GSK3b-3A8
- mab to GSK3β (N-terminus)**  
#0135-100/GSK3b-11B9
- mab to GSK3β (phospho-Tyr 215)**  
**mab to GSK3α (phospho-Tyr 278)**  
#0258-100/GSK3b-6D3
- mab to GSK3α**  
#0211-100/GSK3a-10C1

**Purification:** The antibody was purified from serum-free cell culture supernatant by subsequent thiophilic adsorption and size exclusion chromatography.

**Formulation:** liquid; 0.1mg/ml in in PBS/0.09% Na-Azide/PEG and Sucrose/50% Glycerol

**Reconstitution:**

**Stability:** For long-term storage (up to 1 year) aliquote and store at -20°C. At 4°C, aliquots may be stored up to 3 months.

#### Avoid repeated freeze / thaw cycles,

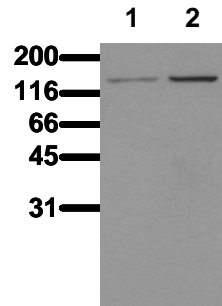
**Positive Control:** #0892: Cell lysate from pervanadate treated Bend3 cells.

**Immunoblotting:** 0.5 µg/ml for HRPO/ECL detection  
**Recommended blocking buffer:** Casein/Tween 20 based blocking and blot incubation buffer, e.g. nanoTools product #3031-500/CPPT or #3031-3000/CPPT.

**Immunoprecipitation:** ND

**Immunocytochemistry:** ND

**ELISA:** use at 0.1 µg/ml



**Immunoblot Analysis**  
 Whole cell lysates of untreated (lane 1) and pervanadate-treated (lane 2) bend 3 cells were separated by SDS-PAGE and blotted to a PVDF membrane. The immunoblot was probed with mab eNOS-15E2 at 1µg/ml for 1h at 15-22°C and developed by ECL (exposure time: 3min). Mab eNOS-15E2 recognizes eNOS pS 1177 at 140 kDa.

**All products are supplied for research and investigational use only. Not for use in humans or laboratory animals.**