

Mouse Monoclonal Antibody to

eNOS (phospho-Ser 1177)

clone 15E2

Order No.: 0109-100/eNOS-15E2

Size (µg) 100

Lot No.: 0109S



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02/220307F

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,

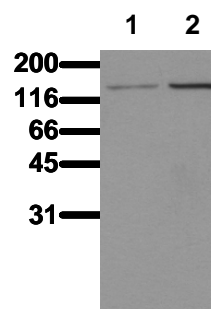
Positive Control: #0892: Cell lysate from pervanadate treated Bend3 cells.

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.