

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human eNOS when phosphorylated at S1177 in direct ELISAs and Western blots.
Source	Monoclonal Rabbit IgG Clone # 1014F
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Phosphopeptide containing the human eNOS S1177 site Accession # P29474
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Endothelial NOS (eNOS), also known as nitric oxide synthase 3 (NOS3) or constitutive NOS (cNOS), is an enzyme encoded by the NOS3 gene. Endothelial NOS generates nitric oxide in blood vessels and is involved with regulating vascular tone by inhibiting smooth muscle contraction and platelet aggregation. A constitutive calcium dependent NOS provides a basal release of NO. eNOS is associated with plasma membranes surrounding cells and the membranes of the Golgi apparatus within cells.

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