

DESCRIPTION

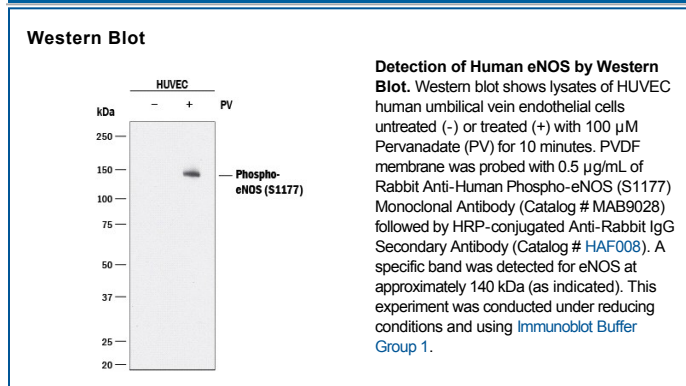
Species Reactivity	Human
Specificity	Detects human eNOS when phosphorylated at S1177 in direct ELISAs and Western blots.
Source	Recombinant Monoclonal Rabbit IgG Clone # 1014F
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Phosphopeptide containing the human eNOS S1177 site Accession # P29474
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

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.

	Recommended Concentration	Sample
Western Blot	0.5 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.