

Rabbit Anti-human endothelial Nitric Oxide Synthase Serum

IP-1686

Lot # 8033

The antiserum was raised in a rabbit which was immunized with human eNOS (2-11Cys¹²) covalently attached onto a carrier protein. This antiserum is specific for the amino terminal of heNOS. It recognizes the non-myristylated form best, but does crossreact ~50% with the myristylated form of heNOS. It will quantitatively immunoprecipitate heNOS. The antiserum has been characterized by RIA and ELISA techniques using synthetic peptides and recombinant whole proteins. Dilute the lyophilized antiserum with 0.1 ml of 10 mg/ml BSA in PBS for the equivalent of whole antiserum, or with additional buffer for more dilute antiserum.

Antiserum Specificity

Polypeptide	% Cross Reactivity
heNOS (2-11Cys ¹²)	100
recombinant heNOS (NOS type III)	100
heNOS (cap-2-11Cys ¹²)	50
recombinant myristylated heNOS (myristylated NOS type III)	50
Recombinant hnNOS (NOS type I)	0
recombinant hiNOS (type II)	0

Immunoprecipitation

This antiserum has been found to immunoprecipitate ¹²⁵I-heNOS quantitatively at dilutions of 1:400 by RIA techniques using goat anti-rabbit IgG antibody.