rabbit thrombomodulin
REF 237  Lot No. YYMMDD, Exp. YYYY-MM-DD

Description
REF 237 is purified rabbit lung endothelial cell surface protein (Mₐ = 74,000 D) co-factor for Protein C activation as the thrombin-thrombomodulin-Ca²⁺ complex. Rabbit lung thrombomodulin is a more efficient activator of human Protein C than is human thrombomodulin. It is an essential reagent for valid assays of Protein C functional activity in plasma. The thrombomodulin is purified by a multi-step process that includes detergent solubilization from rabbit lung, salt fractionation, ion-exchange chromatography and thrombin-sepharose affinity chromatography.

One unit of thrombomodulin activity is defined as that amount of thrombomodulin required to have maximum activation of human Protein C by 1 NIH unit of thrombin, as determined by inhibition of fibrinogen clotting.

Application
In Protein C activation, thrombomodulin must be used at a concentration such that all the thrombin remains complexed in order to avoid clotting. See Reference 2 below.

References

Related Products
REF 837, IMUBIND® Thrombomodulin ELISA.
REF 245, PROTAC™ direct Protein C activator.

Presentation
Screw-capped plastic tube containing 30 units of activity in 1.0 mL in 20 mM Tris, 150 mM NaCl, pH 7.4, with 0.05% Polidocanol detergent and 0.02% sodium azide.

Specific Activity
Approximately XXXX units/mg therefore the vial contains approximately XXX µg of protein.

Storage
Store at 2°-8°C.