Product no AS00 001
FVIIa | Coagulation factor VIIa (50 µg)

Product information

Background  FVIIa (Factor VIIa) is a key serine protease involved in the initiation of the coagulation cascade. FVIIa requires tissue factor (TF), a membrane bound protein, as an essential cofactor for maximal activity towards its biological substrates Factor X, Factor IX and Factor VII (FVII).

Immunogen  Recombinant human Factor VIIa (NovoSeven®, Novo Nordisk A/S Denmark)

Host  Rabbit

Clonality  Polyclonal

Purity  Affinity purified IgG in PBS pH 7.4

Format  Lyophilized in PBS pH 7.4

Quantity  50 µg

Reconstitution  For reconstitution add 50 µl of sterile water

Storage  Store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please, remember to spin tubes briefly prior to opening them, to avoid any losses that might occur from liquid material adhering to the cap or sides of the tubes.

Tested applications  Prothrombin assay with human plasma (PT), thrombin generation assay, inhibition assay with Factor VIIa with TF and a chromogenic substrate, inDirect ELISA (i-ELISA)

Related products  AS00 001-500 | Anti-FVIIa | Coagulation factor VIIa (500 µg), rabbit antibodies

IMS01-015-308 | Anti-F8 | Coagulation factor VIII, chicken antibodies

IMS01-118-307 | Anti-F7 | Coagulation factor VII, chicken antibodies

IMS01-137-306 | Anti-F12 | Coagulation factor XII, chicken antibodies

Additional information  No significant difference in binding to Factor VII and Factor VIIa.

Application information

Recommended dilution  1 : 15 000 (i-ELISA), 14 µg/ml (IL)

Expected | apparent MW  52 kDa (this is MW of Factor VIIa)

Confirmed reactivity  Human

Predicted reactivity  Primates

Not reactive in  No confirmed exceptions from predicted reactivity are currently known.

Additional information  This antibody is purified using Protein G, to obtain a total IgG fraction.

Selected references  Lopez-Vilchez et al. (2009). Traffic of rFVIIa through Endothelial Cells and Redistribution into Subendothelium: Implications for a Prolonged Hemostatic Effect. Journal of Coagulation Disorders, October 1: (1). (immunolocalization)