

Anti-Human Factor II (Prothrombin) Monoclonal 0.50 mg



Ref#: MAB-HF2
Lot#: xxxxxx
Exp. Date: xxxx-xx

Store at -20°C

For Research Use Only
Not for Use in Diagnostic Procedures
For *in vitro* use only

Epitope:	Human Factor II (Prothrombin)
Format:	Monoclonal antibody purified by protein G affinity chromatography from cell supernatant. Lyophilized in 20 mM sodium phosphate, 150 mM NaCl, 1% Mannitol, pH 7.4
Storage:	Store unopened vial at -20°C until its expiration date. Reconstitute with aqua dest to the original volume (0.50 mL) and freeze aliquots at -20°C or below. Avoid freeze/thaw cycles. Expires 2 years after reconstitution.
Total Protein:	0.50 mg
Applications:	For Research Use Only. Not for Use in Diagnostic Procedures. For <i>in vitro</i> use only
Volume:	1 vial containing 0.50 mL monoclonal anti-human Prothrombin
Concentration:	1 mg/mL
Specificity:	Binds human prothrombin, prethrombin-1 and fragment-2 (residues 156-271) in solid phase ELISA. Blots human prothrombin in western blot. Purity by SDS-PAGE is >99%.

Human Prothrombin, also known as coagulation Factor II, is a 72 kDa glycoprotein synthesized in the liver and composed of a single polypeptide chain. Prothrombin is the zymogen form of Thrombin. Prothrombin is cleaved to produce Thrombin by the membrane-bound prothrombinase complex (activated Factor X, activated Factor V and Calcium), the concentration in human plasma is about 100 µg/ml (1.4 µM).