

ZYMUTEST TAFI

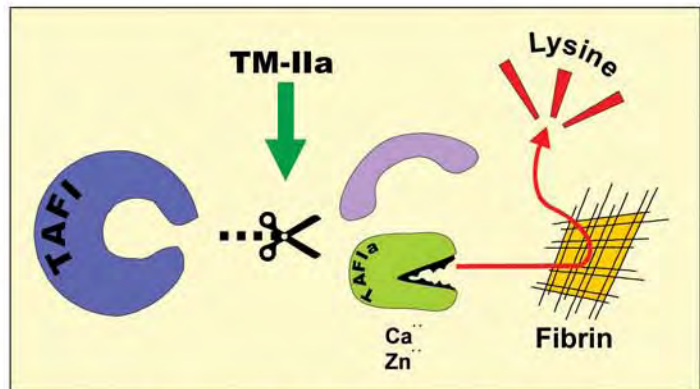
Enzyme Immuno Assay of Thrombin Activatable Fibrinolysis Inhibitor in human plasma or serum

Ref. ARK008A



TAFI?

- Thrombin Activatable Fibrinolysis Inhibitor (TAFI) or plasma procarboxypeptidase U Or B, a 60 Kda plasma protein, is activated by the thrombin-thrombomodulin complex to TAFIa which inhibits fibrinolysis by cleaving lysine residues on fibrin. This lowers its binding affinity for tPA and plasminogen. The plasma concentration of TAFI is then a new variable of high interest for thrombotic diseases.
- TAFI is an instable molecule, which activity is readily inactivated at body's temperature.
- Elevated TAFI concentrations beyond the normal range, could increase the thrombotic tendency by lowering the body fibrinolytic capability to degrade fibrin deposits.
According to the various studies and assays reported in literature, the normal TAFI concentration in plasma varies from 50 nM ($\approx 2.5 \mu\text{g/mL}$) to 275 nM ($\approx 15 \mu\text{g/mL}$).



TAFI delays fibrinolysis and can then be a factor predisposing to thrombotic diseases, when high concentrations are present.

- Measures the total TAFI protein
- Insensitive to plasma storage conditions
- Results expressed in “%” of normal pooled plasma
- Measures TAFI and TAFIa
- High sensitivity
- High specificity
- Assay range from 0 to 150% on plasma