

ARG83282 Human Factor X ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG83282 Human Factor X ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Factor X in Serum, Plasma and Cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	Factor X
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	25 pg/ml
Detection Range	0.78 ng/ml - 50 ng/ml
Sample Type	Serum, Plasma and Cell culture supernatants
Precision	Intra-Assay CV: 5.2% Inter-Assay CV: 6.0%
Alternate Names	FX; Stuart factor; EC 3.4.21.6; Stuart-Prower factor; FXA; Coagulation factor X

Application Instructions

Assay Time	~ 5 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	F10
Gene Full Name	coagulation factor X
Background	Factor X is the first enzyme in the common pathway of blood coagulation. It can be activated by Factor IXa (with Factor VIII cofactor) of the contact pathway and by Factor VIIa of the tissue factor pathway. After activation, It cleaves prothrombin to form thrombin. Thrombin not only transforms Fibrinogen to form Fibrin and but also activates Factor XIII to stabilize Fibrin in the thrombus.
Function	Factor Xa is a vitamin K-dependent glycoprotein that converts prothrombin to thrombin in the presence of factor Va, calcium and phospholipid during blood clotting. [UniProt]

Research Area

Cell Biology and Cellular Response antibody

PTM

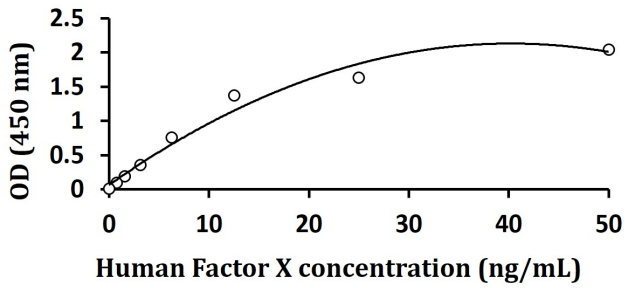
The vitamin K-dependent, enzymatic carboxylation of some glutamate residues allows the modified protein to bind calcium.

N- and O-glycosylated. O-glycosylated with core 1 or possibly core 8 glycans.

The activation peptide is cleaved by factor IXa (in the intrinsic pathway), or by factor VIIa (in the extrinsic pathway).

The iron and 2-oxoglutarate dependent 3-hydroxylation of aspartate and asparagine is (R) stereospecific within EGF domains.

Images



ARG83282 Human Factor X ELISA Kit standard curve image

ARG83282 Human Factor X ELISA Kit results of a typical standard run with optical density reading at 450 nm.
