

Human F11 ELISA Kit | F11 elisa kit

Human F11 ELISA Kit PicoKine

CATALOG # AAA126745	REACTIVITY Human	APPLICATIONS ELISA
-------------------------------	----------------------------	------------------------------

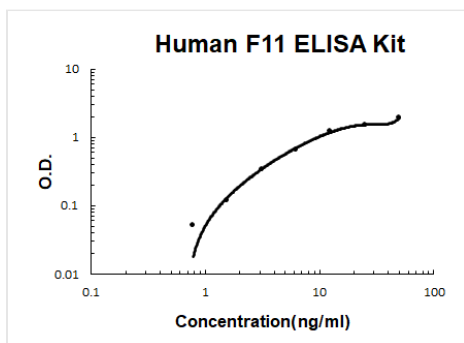
PRODUCT SYNONYMS

F11; Human F11 ELISA Kit PicoKine; F11 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human F11
Samples	Cell culture supernatants, serum and plasma (heparin, EDTA)
Detection Range	0.78 ng/ml - 50 ng/ml
Sensitivity	<20 pg/ml
Applicable Applications for F11 elisa kit	ELISA
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)

IMAGES



Standard Curve (Sample)

Human F11 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for F11 elisa kit	Background: Factor XI or plasma thromboplastin antecedent is the zymogen form of factor Xla, one of the enzymes of the coagulation cascade. Like many other coagulation factors, it is a serine protease. In humans, Factor XI is encoded by the F11 gene. This gene encodes coagulation factor XI of the blood coagulation cascade. This protein is present in plasma as a zymogen, which is a unique plasma coagulation enzyme because it exists as a homodimer consisting of two identical polypeptide chains linked by disulfide bonds. During activation of the plasma factor XI, an internal peptide bond is cleaved by factor XIIa (or XII) in each of the two chains, resulting in activated factor Xla, a serine protease composed of two heavy and two light chains held together by disulfide bonds. This activated plasma factor XI triggers the middle phase of the intrinsic pathway of blood coagulation by activating factor IX. Defects in this factor lead to Rosenthal syndrome, a blood coagulation abnormality. Principle of the Assay: The Picokine™ Human F11 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human F11 with a 96-well strip plate that is pre-coated with antibody specific for F11. The detection antibody is a biotinylated antibody specific for F11. The capture antibody is a monoclonal antibody from mouse and the detection antibody is a biotinylated polyclonal antibody from goat. The kit includes Human F11 protein as standards. To measure Human F11, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human F11 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human F11 in the sample.
Product Categories/Family for F11 elisa kit	PicoKine ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503627
NCBI GeneID	2160
NCBI Accession #	NP_000119.1
NCBI GenBank Nucleotide #	NM_000128.3
UniProt Accession #	P03951; Q4W5C2; Q9Y495; D3DP64
Molecular Weight	160,000
NCBI Official Full Name	coagulation factor XI
NCBI Official Synonym Full Names	coagulation factor XI
NCBI Official Symbol	F11
NCBI Official Synonym Symbols	FXI
NCBI Protein Information	coagulation factor XI; PTA; plasma thromboplastin antecedent
UniProt Protein Name	Coagulation factor XI
UniProt Gene Name	F11
UniProt Synonym Gene Names	FXI; PTA
UniProt Entry Name	FA11_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.