

Human Kininogen ELISA Kit

Catalog No: IHKHKT□□□

Operating instruction

Description	<p>Kininogen is a plasma protein coagulation cofactor serving for the activation of zymogens prekallikrein, Factor XII and Factor XI and is also a substrate of each of their proteolytic forms. It circulates as a complex with these zymogens and links the plasma coagulation, fibrinolysis, complement activation, and blood pressure control. Kininogen is produced by the liver and weighs 120 kDa with 626 amino acids. Its plasma concentration ranges from 55 to 90 µg/ml and Kininogen exhibits anticoagulant properties and is a strong inhibitor of cysteine proteases. \</p> <p>Kininogen Human ELISA (Enzyme-Linked Immunosorbent Assay) kit is designed for detection of Human Kininogen in plasma and serum. This assay employs a quantitative competitive enzyme immunoassay technique that measures Human Kininogen in less than 3 hours. A polyclonal antibody specific for Human Kininogen has been pre-coated onto a 96-well microplate with removable strips. Kininogen in standards and samples is sandwiched by the immobilized antibody and the biotinylated polyclonal antibody specific for Kininogen, which is recognized by a streptavidin-peroxidase conjugate. All unbound material is then washed away and a peroxidase enzyme substrate is added. The color development is stopped and the intensity of the color is measured.</p>
Tests	1 x 96 well plate
Sample type	Serum, Plasma
Sensitivity	= 0.2 µg/ml
Range	0.125 µg/ml - 4 µg/ml
Assay time	3h 00m
Tested applications	ELISA
Cross reactivity	Reacts with Human

Storage instructions	Store at 4°C for upto 6 months. Refer to the protocol for further storage instructions.
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Biotinylated Human Kininogen	1 x 1vial
Chromogen Substrate	1 x 8ml
Diluent Concentrate (10x)	1 x 30ml
Human Kininogen Microplate 1 x 96 well plate	1 x 1unit
Human Kininogen Standard	1 x 1unit
Sealing tapes	3 x 1unit
Stop Solution	1 x 12ml
Streptavidin-Peroxidase Conjugate (SP Conjugate)	1 x 80µl
Wash buffer Concentrate (20x)	1 x 30ml

Standard curve

The curve provided is for illustration only. A standard curve should be generated each time the assay is performed.

