Human Kallikrein 6 (KLK 6) ELISA Kit

Catalog No: #EK10196

Package Size: #EK10196-1 48T #EK10196-2 96T

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Description

Product Name	Human Kallikrein 6 (KLK 6) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	Bssp; Klk7; MGC9355; NEUROSIN; PRSS18; PRSS9; SP59; ZYME; hK6; kallikrein 6 (neurosin; zyme)|protease M|protease; serine; 18|protease; serine; 9
Accession No.	Q92876
Uniprot	Q92876
GeneID	5653;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.059 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate KLK6 in samples. An antibody specific for KLK6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyKLK6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for KLK6 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of KLK6 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Kallikrein 6, also known as Zyme, Neurosin, PRSS9, myelencephalon-specific protease (MSP) and protease M, is a trypsin-like serine proteinase. Kallikrein 6 was originally described from the brain as an enzyme involved in degradation of amyloid plaque protein (APP) and hK6 was thought to be a beta secretase.

Kallikrein 6 was shown to be elevated in the sera patients with Alzheimers disease and Parkinsons disease and in animal models of multiple sclerosis. The neuronal protein alpha-synuclein was shown to be cleaved by hK6, as has APP and hK6 has been implicated in vascular morphogenesis and angiogenesis. MSP has also been shown to rapidly degrade myelin-specific protein, laminin and fibronectin.

Note: This product is for in vitro research use only