

Rat Kallikrein-6 (KLK6) ELISA Kit | KLK6 elisa kit

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CATALOG #
AAA330216

REACTIVITY
Rat

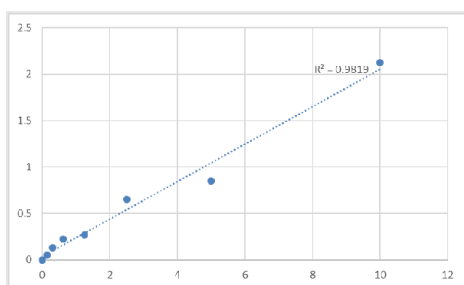
PRODUCT SYNONYMS

Kallikrein-6 (KLK6); Rat Kallikrein-6 (KLK6) ELISA Kit; KLK6; Bssp; Klk7; MGC9355; NEUROSIN; PRSS18; PRSS9; SP59; ZYME; hK6; kallikrein 6 (neurosin; zyme); protease M; protease; serine; 18; 9; KLK6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Rat Kallikrein-6 (KLK6) ELISA Kit has high sensitivity and excellent specificity for detection of Rat KLK6. No significant cross-reactivity or interference between Rat KLK6 and analogues was observed.
Sequence Length	261
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Rat Kallikrein-6 (KLK6) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for KLK6 elisa kit	Description: This Rat Kallikrein-6 (KLK6) ELISA Kit 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 any KLK6 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. Background: 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 Alzheimer's disease and Parkinson's 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	61556850
NCBI Accession #	NP_001013085.1
NCBI GenBank Nucleotide #	NP_001013085.1
UniProt Accession #	P36374
NCBI Official Full Name	prostatic glandular kallikrein-6
UniProt Protein Name	Prostatic glandular kallikrein-6
UniProt Gene Name	Klk6
UniProt Synonym Gene Names	Klk-8; Klk8; rGK-8
UniProt Entry Name	KLK6_RAT

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/kallikrein-6-klk6/330216>