

Datasheet for ABIN5510741

Kallikrein 1 ELISA Kit**1** Image[Go to Product page](#)

Overview

Quantity:	96 tests
Target:	Kallikrein 1 (KLK1)
Binding Specificity:	AA 25-261
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Mouse KLK1
Brand:	PicoKine™
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Expression system for standard: NSO, Immunogen sequence: I25-D261
Cross-Reactivity (Details):	There is no detectable cross-reactivity with other relevant proteins.

Target Details

Target:	Kallikrein 1 (KLK1)
Alternative Name:	Klk1 (KLK1 Products)
Background:	Protein Function: Glandular kallikreins cleave Met-Lys and Arg-Ser bonds in kininogen to release Lys-bradykinin.

Target Details

Background: Kallikrein-1, also known as tissue kallikrein, is a protein that in humans is encoded by the KLK1 gene. This serine protease generates Lys-bradykinin by specific proteolysis of kininogen-1. KLK1 is a member of the peptidase S1 family. Its gene is mapped to 19q13.3. In all, it has got 262-amino acids which contain a putative signal peptide, followed by a short activating peptide and the protease domain. The protein is mainly found in kidney, pancreas, and salivary gland, showing a unique pattern of tissue-specific expression relative to other members of the family. KLK1 is implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers.

Synonyms: Kallikrein-1,3.4.21.35,Glandular kallikrein K1,KAL-B,Renal kallikrein,Tissue kallikrein-6,mGK-6,Klk1,Klk-6, Klk6,

Full Gene Name: Kallikrein-1

UniProt: [P15947](#)

Pathways: [Complement System](#)

Application Details

Plate: Pre-coated

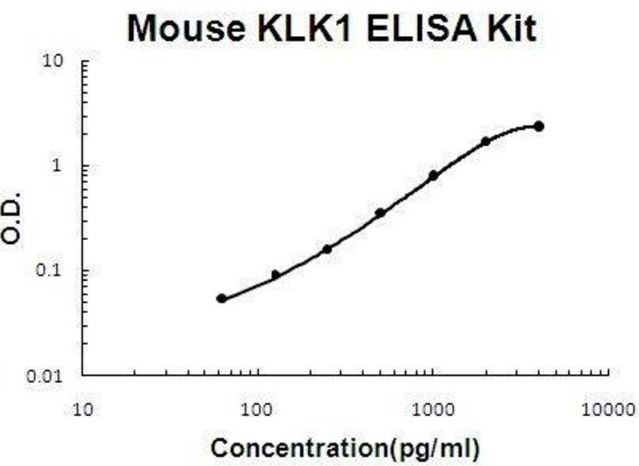
Restrictions: For Research Use only

Handling

Storage: 4 °C,-20 °C

Storage Comment: Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles(Shipped with wet ice.)

Expiry Date: 12 months



ELISA

Image 1. Mouse KLK1 PicoKine ELISA Kit standard curve