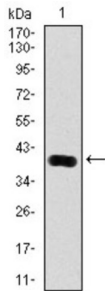
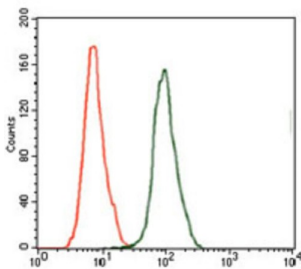


Prostate-Specific Antigen / PSA (KLK3) Antibody

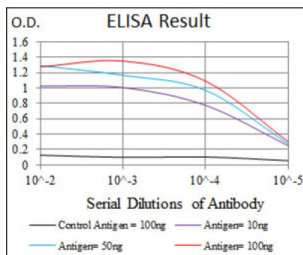
Catalogue No.: abx011056



Western blot analysis using KLK3 antibody against human KLK3 (AA: 109-216) recombinant protein. (Expected MW is 37.2 kDa).



Flow cytometric analysis of HeLa cells using KLK3 antibody (green) and negative control (red).



Red: Control Antigen (100ng) ; Purple: Antigen (10ng) ; Green: Antigen (50ng) ; Blue: Antigen (100ng).

Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. Its protein product is a protease present in seminal plasma. It is thought to function normally in the liquefaction of seminal coagulum, presumably by hydrolysis of the high molecular mass seminal vesicle protein. Serum level of this protein, called PSA in the clinical setting, is useful in the diagnosis and monitoring of prostatic carcinoma. Alternate splicing of this gene generates several transcript variants encoding different isoforms.

Target: Prostate-Specific Antigen / PSA (KLK3)

Clonality: Monoclonal

Reactivity: Human

Tested Applications: ELISA, FCM

Datasheet

Version: 5.0.0
Revision date: 22 Dec 2024



Host:	Mouse
Recommended dilutions:	ELISA: 1/10000, FCM: 1/200 - 1/400. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of human KLK3 expressed in E. coli.
Isotype:	IgG ₁
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P07288 (UniProt , ExPASy)
Gene Symbol:	KLK3
GeneID:	354
OMIM:	176820
HGNC:	6364
KEGG:	hsa:354
Ensembl:	ENSG00000142515
String:	9606.ENSP00000314151
Enzyme Commission Number:	EC 3.4.21.77
Molecular Weight:	29 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Concentration:	Not determined.
Note:	This product is for research use only.