

32-5986: Mouse Anti Human Kallikrein-3(Clone:P1D10AT.)

Clonality :	Monoclonal
Clone Name :	P1D10AT.
Application :	ELISA,WB
Gene :	KLK3
Gene ID :	354
Uniprot ID :	P07288
Format :	Purified
Alternative Name :	Prostate-specific antigen,PSA,Gamma-seminoprotein,Seminin,Kallikrein-3,P-30 antigen,Semenogelase,KLK3,APS,hK3,KLK2A1.
Isotype :	Mouse IgG1 heavy chain and ? light chain.
Immunogen Information :	Anti-human KLK3 mAb, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human KLK3 amino acids 25-261 purified from E. coli.

Description

Kallikrein-3 (KLK3) belongs to the kallikrein-related peptidase family. Kallikreins are a subgroup of serine proteases having various physiological functions. Numerous kallikreins are involved in carcinogenesis and some may be prospective cancer and other disease biomarkers. Kallikrein-3 is 1 of the 15 kallikrein subfamily members located in a cluster on chromosome 19 and is a protease present in seminal plasma. KLK3 hydrolyzes semenogelin-1 consequently leading to the liquefaction of the seminal coagulum. KLK3 is assumed to act normally in the liquefaction of seminal coagulum, probably by hydrolysis of the high molecular mass seminal vesicle protein. Serum level of the KLK3 protein, called PSA in the clinical setting, is beneficial in the diagnosis and monitoring of prostatic carcinoma.

Product Info

Amount :	20 µg
Purification :	KLK3 antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
Content :	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
Storage condition :	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

Application Note

KLK3 antibody has been tested by ELISA, Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:500 ~ 1:5000.