



Mouse Anti Human KLK3 monoclonal antibody, clone 2B8 [FITC] (CABT-L538)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity Recognizes a single protein of 33-34kDa, identified as the prostate specific antigen (PSA). This MAb is highly specific to PSA and stains prostatic secretory and ductal epithelium in both normal and neoplastic tissues. PSA is a chymotrypsin-like serine protease (kallikrein family) exclusively produced by the prostate epithelium, and abundant in seminal fluid. PSA can be detected in the sera of patients with prostatic carcinoma. It is predominantly complexed to a liver-derived serine protease inhibitor, alpha-1-antichymotrypsin (ACT). A higher proportion of serum PSA is complexed to ACT in prostate cancer than in benign prostate hyperplasia.

Target	PSA (p30)
Immunogen	PSA (p30) from human sperm plasma
Isotype	IgG1, κ
Source/Host	Mouse
Species Reactivity	Feline, Human
Clone	2B8
Purification	Protein A or G purified
Conjugate	FITC
Applications	FC, IHC-P
Cellular Localization	Cytoplasmic
Format	Liquid
Size	1 ml

Buffer	PBS
Preservative	0.05% Sodium Azide
Storage	Store at 4°C in the dark.

BACKGROUND

Introduction	PSA is a chymotrypsin-like serine protease (kallikrein family) exclusively produced by the prostate epithelium, and abundant in seminal fluid. PSA can be detected in the sera of patients with prostatic carcinoma.
Keywords	APS seminin; EC 3.4.21; EC 3.4.21.77; Gamma-seminoprotein; hK3; Kallikrein 3; kallikrein 3, (prostate specific antigen); Kallikrein-3; kallikrein-related ; eptidase 3; KLK2A1; KLK3; P-30 antigen; prostate specific antigen; prostate-specific antigen; PSA semenogelase; PSA; Semenogelase; Seminin

GENE INFORMATION

Gene Name	KLK3
Official Symbol	KLK3
Synonyms	KLK3; kallikrein-related peptidase 3; APS, kallikrein 3, (prostate specific antigen); prostate-specific antigen; PSA; seminin; P-30 antigen; kallikrein-3; semenogelase; gamma-seminoprotein; prostate specific antigen; APS; hK3; KLK2A1;
Entrez Gene ID	354
UniProt ID	P07288