



Mouse Anti-Human PSA Monoclonal Antibody, clone B78-C/F4+2B8 (CABT-Z730M)

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

PRODUCT INFORMATION

Specificity	This MAb is highly specific to PSA and stains prostatic secretory and ductal epithelium in both normal and neoplastic tissues.
Immunogen	PSA (p30) from human sperm plasma
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	B78-C/F4+2B8
Purification	Protein A or G purified
Conjugate	Unconjugated
Applications	FC, ICC/IF, IHC, IHC-P Recommended concentration: FC: 0.5-1 ug/million cells in 0.1 ml ICC/IF: 1-2 ug/ml IHC-P: 0.5-1.0 ug/ml
Format	Liquid
Concentration	Lot specific
Size	100 µg
Buffer	10 mM PBS with 0.05% BSA

Preservative	0.05% Sodium Azide
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Storage	Store at 4°C.
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Ship	Wet ice
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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. 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.
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Keywords	APS;PSA;hK3;KLK2A1;KLK3;prostate-specific antigen
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GENE INFORMATION

Gene Name	KLK3
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Entrez Gene ID	6046
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UniProt ID	P07288
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