



## 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

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

|                     |                           |
|---------------------|---------------------------|
| <b>Buffer</b>       | PBS                       |
| <b>Preservative</b> | 0.05% Sodium Azide        |
| <b>Storage</b>      | Store at 4°C in the dark. |

## BACKGROUND

|                     |   |
|---------------------|---|
| <b>Introduction</b> | 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.  |
| <b>Keywords</b>     | 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 ; peptidase 3; KLK2A1; KLK3; P-30 antigen; prostate specific antigen; prostate-specific antigen; PSA semenogelase; PSA; Semenogelase; Seminin |

## GENE INFORMATION

|                        |  |
|------------------------|--|
| <b>Gene Name</b>       | KLK3   |
| <b>Official Symbol</b> | KLK3   |
| <b>Synonyms</b>        | 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; |
| <b>Entrez Gene ID</b>  | <a href="#">354</a>  |
| <b>UniProt ID</b>      | <a href="#">P07288</a>   |