Recombinant Prostate Specific Antigen (PSA) Antibody

Mouse Monoclonal Antibody [Clone rKLK3/6947]

Catalog No	Format	Size
354-MSM17-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
354-MSM17-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
354-MSM17-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

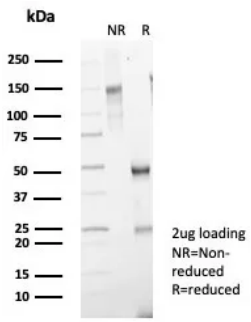
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

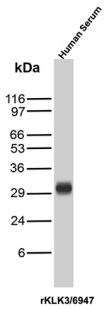
Clone	rKLK3/6947
Immunogen	Recombinant fragment (around aa235-248) of the human PSA protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	28.74kDa
Cellular Localization	Secreted
Species Reactivity	Human
Positive Control	PC12 cells. Normal prostate or prostate carcinoma tissues. Human Serum.

**Optimal dilution for a specific application should be determined.*

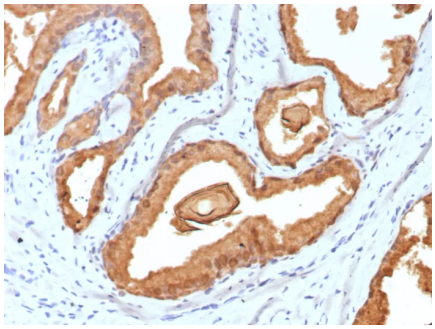
Product Images for Recombinant Prostate Specific Antigen (PSA) Antibody



SDS-PAGE Analysis of Purified PSA Recombinant Mouse Monoclonal Antibody (rKLK3/6947). Confirmation of Integrity and Purity of Antibody.



Western Blot Analysis of human Serum lysate using KLK3 Recombinant Mouse Monoclonal Antibody (rKLK3/6947).



Formalin-fixed, paraffin-embedded human prostate carcinoma stained with PSA Recombinant Mouse Monoclonal Antibody (rKLK3/6947). HIER: Tris/EDTA, pH9.0, 45min. 2: HRP-polymer, 30min. DAB, 5min.

Specificity & Comments

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. This MAb makes an excellent pair with MAb 1A7G6B6 for PSA tests.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.