

# PSA Monoclonal Antibodies

## Total-PSA Monoclonals - Cat. No. MP077

Clone	Characteristics
AP002S	IgG <sub>1</sub> Isotype. Recognizes PSA, PSA-ACT Complex, and PSA-A2M Complex by direct ELISA and western blot. Sandwich ELISA for PSA:PSA-ACT gives an equimolar response when paired with clone BP005S. This clone does not significantly inhibit the chymotrypsin-like activity of PSA.
BP001	IgG <sub>1</sub> , kappa Isotype. Recognizes PSA and PSA-ACT Complex by direct ELISA and western blot. No cross reactivity with Prostatic Acid Phosphatase (PAP).
BP004S	IgG <sub>1</sub> , Isotype. By direct ELISA, reacts more strongly with PSA than PSA-ACT Complex. By western blot, recognizes PSA, PSA-ACT Complex, and PSA-A2M Complex.
BP005S	IgG <sub>1</sub> Isotype. Recognizes PSA, PSA-ACT Complex, and PSA-A2M Complex by direct ELISA and western blot. Greater than 95% inhibition of PSA chymotrypsin-like activity at a 1:2 molar ratio of PSA:MAB under specified conditions.
BP008S	IgG <sub>1</sub> Isotype. Recognizes PSA, PSA-ACT Complex and PSA-A2M Complex by direct ELISA and western blot.

## Free-PSA Monoclonal - Cat. No. MP077

Clone	Characteristics
AP003S	IgG <sub>1</sub> Isotype. Recognizes only free PSA by direct ELISA and western blot. No reaction with PSA-ACT Complex. Suitable in a sandwich ELISA for free PSA when paired with clone BP005S. Greater than 95% inhibition of PSA chymotrypsin-like activity at a 1:2 molar ratio of PSA:MAB.

## PSA-ACT Monoclonal - Cat. No. MP067

Clone	Characteristics
AP001S	IgG <sub>1</sub> Isotype. Specific for a clipped form of ACT produced when reacted with certain serine proteases (e.g., PSA, Cathepsin G, Chymotrypsin). Specificity determined by direct ELISA and western blot. No reaction with free PSA.

### ANTIBODIES

Scripps manufactures bulk quantities of monoclonal antibodies for the development of PSA immunoassays.

### ANTIGENS

In addition to purified monoclonal antibodies, Scripps supplies purified PSA isolated from human seminal fluid. Purified material is used to produce PSA/ACT Complex and PSA/A2M Complex. Non-Complexing PSA is assayed by measuring residual chymotrypsin activity.

Catalog No.	Product	Purity
A1824	α1-Antichymotrypsin (ACT)	≥95%
M0614	α2-Macroglobulin (A2M)	≥95%
P0725	PSA	≥99%
P0724	PSA	≥95%
P0723	PSA	≥40%
P5125	PSA, Non-Complexing Form	≥95%
P0625	PSA-ACT Complex	≥99%
P0624	PSA-ACT Complex	≥95%

Note that Prostatic Acid Phosphatase (PAP) is also available: ≥98% pure.