

Product Review

Raw Materials for Immunoassay Development and Manufacturing

PSA Monoclonal Antibodies

Total-PSA Monoclonal - Catalog No. MP077

Clone	Characteristics
AP002S	IgG ₁ 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 ₁ , kappa Isotype. Recognizes PSA and PSA-ACT Complex by direct ELISA and Western Blot. No cross reactivity with Prostatic Acid Phosphatase (PAP).
BP004S	IgG ₁ , 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 ₁ 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 ₁ Isotype. Recognizes PSA, PSA-ACT Complex and PSA-A2M Complex by direct ELISA and Western Blot.

Free-PSA Monoclonal - Catalog No. MP077

Clone	Characteristics
AP003S	IgG ₁ 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 - Catalog No. MP067

Clone	Characteristics
AP001S	IgG ₁ 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%

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