

PRODUCT SPECIFICATIONS PACKET

Monoclonal Antibodies to PSA and PSA-ACT Complex

<u>Cat. No.</u>	<u>Part No.</u>	<u>Clone No.</u>	<u>Reactivity</u>
MP077	90197	AP002S	PSA, PSA-ACT, PSA-A2M (ELISA, WB)
MP077	90198	AP003S	Free PSA (ELISA, WB)
MP077	90201	BP001	PSA, PSA-ACT (ELISA, WB)
MP077	90204	BP004S	Free PSA (ELISA); PSA-ACT, PSA-A2M (WB)
MP077	90205	BP005S	PSA, PSA-ACT, PSA-A2M (ELISA, WB)
MP077	90206	BP008S	PSA, PSA-ACT, PSA-A2M (ELISA, WB)

(Scroll down to view/print individual Product Specification sheets.)

Manufacturers of the highest quality proteins and antibodies.



PRODUCT SPECIFICATION

Monoclonal antibody to Human Prostate Specific Antigen (PSA)

Catalog Number: MP077 **Part Number:** 90197

Clone Number: AP002S

Source: Murine

Immunogen: Purified PSA from human seminal fluid

Purification Method: Protein A Chromatography and Gel Filtration

Form

Clear liquid - Buffer: 10mM Sodium Phosphate, 150mM Sodium Chloride, 0.1% Sodium Azide, pH 7.2 ± 0.1

Purity Specification

Protein A purified IgG fraction.
Report SDS-PAGE results.

Protein / Content Specification

≥ 5 mg/ml by A₂₈₀ (E_{mg/ml} = 1.4)

Characteristics Specification

IgG₁ Isotype. This clone 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.

Storage / Shipping

Product is shipped using a refrigerated gel pack (**not temperature monitored**). On arrival, store refrigerated at 2°C to 8°C. Do not freeze!

Precaution / Hazard Statement

This product is not considered a biohazard. Handle using normal laboratory procedures.

Intended Use: For Research Use or Further Manufacture Only. Not for Use in Diagnostic Procedures.

Manufacturers of the highest quality proteins and antibodies.



PRODUCT SPECIFICATION

Monoclonal antibody to Human Prostate Specific Antigen (PSA)

Catalog Number: MP077 **Part Number:** 90198

Clone Number: AP003S

Source: Murine

Immunogen: Purified PSA from human seminal fluid

Purification Method: Protein A Chromatography and Gel Filtration

Form

Clear liquid - Buffer: 10mM Sodium Phosphate, 150mM Sodium Chloride, 0.1% Sodium Azide, pH 7.2 ± 0.1

Purity Specification

Protein A purified IgG fraction.
Report SDS-PAGE results.

Protein / Content Specification

≥ 5 mg/ml by A₂₈₀ (E_{mg/ml} = 1.4)

Characteristics Specification

Mouse IgG₁ Isotype. This clone recognizes only free PSA by direct ELISA and Western Blot. Suitable for use in a sandwich ELISA for free PSA when paired with clone BP005S. Greater than 98% inhibition of PSA chymotrypsin-like activity at a 1:2 molar ratio of PSA:MAB.

Storage / Shipping

Product is shipped using a refrigerated gel pack (**not temperature monitored**). On arrival, store refrigerated at 2°C to 8°C. Do not freeze!

Precaution / Hazard Statement

This product is not considered a biohazard. Handle using normal laboratory procedures.

Intended Use: For Research Use or Further Manufacture Only. Not for Use in Diagnostic Procedures.

Manufacturers of the highest quality proteins and antibodies.



PRODUCT SPECIFICATION

Monoclonal antibody to Human Prostate Specific Antigen (PSA)

Catalog Number: MP077 **Part Number:** 90201

Clone Number: BP001

Source: Murine

Immunogen: Purified PSA from human seminal fluid

Purification Method: Protein A Chromatography and Gel Filtration

Form

Clear liquid - Buffer: 10mM Sodium Phosphate, 150mM Sodium Chloride, 0.1% Sodium Azide, pH 7.2 ± 0.1

Purity Specification

Protein A purified IgG fraction.
Report SDS-PAGE results.

Protein / Content Specification

≥ 5 mg/ml by A₂₈₀ (E_{mg/ml} = 1.4)

Characteristics Specification

IgG_{1,k} Isotype. This clone recognizes PSA and PSA/ACT complex by direct ELISA and Western Blot. This clone does not cross-react with Prostatic Acid Phosphatase (PAP).

Storage / Shipping

Product is shipped using a refrigerated gel pack (**not temperature monitored**). On arrival, store refrigerated at 2°C to 8°C. Do not freeze!

Precaution / Hazard Statement

This product is not considered a biohazard. Handle using normal laboratory procedures.

Intended Use: For Research Use or Further Manufacture Only. Not for Use in Diagnostic Procedures.

Manufacturers of the highest quality proteins and antibodies.



PRODUCT SPECIFICATION

Monoclonal antibody to Human Prostate Specific Antigen (PSA)

Catalog Number: MP077 **Part Number:** 90204

Clone Number: BP004S

Source: Murine

Immunogen: Purified PSA from human seminal fluid

Purification Method: Protein A Chromatography and Gel Filtration

Form

Clear liquid - Buffer: 10mM Sodium Phosphate, 150mM Sodium Chloride, 0.1% Sodium Azide, pH 7.2 ± 0.1

Purity Specification

Protein A purified IgG fraction.
Report SDS-PAGE results.

Protein / Content Specification

Report protein concentration by A_{280} ($E_{mg/ml} = 1.4$)

Characteristics Specification

Mouse IgG₁ isotype. This clone shows a marked specificity for free PSA, by direct ELISA, at a concentration of 0.2µg/ml. By Western Blot analysis this clone recognizes PSA, PSA/ACT complex, and PSA/A2M complex.

Storage / Shipping

Product is shipped using a refrigerated gel pack (**not temperature monitored**). On arrival, store refrigerated at 2°C to 8°C. Do not freeze!

Precaution / Hazard Statement

This product is not considered a biohazard. Handle using normal laboratory procedures.

Intended Use: For Research Use or Further Manufacture Only. Not for Use in Diagnostic Procedures.

Manufacturers of the highest quality proteins and antibodies.



PRODUCT SPECIFICATION

Monoclonal antibody to Human Prostate Specific Antigen (PSA)

Catalog Number: MP077 **Part Number:** 90205

Clone Number: BP005S

Source: Murine

Immunogen: Purified PSA from human seminal fluid

Purification Method: Protein A Chromatography and Gel Filtration

Form

Clear liquid - Buffer: 10mM Sodium Phosphate, 150mM Sodium Chloride, 0.1% Sodium Azide, pH 7.2 ± 0.1

Purity Specification

Protein A purified IgG fraction.
Report SDS-PAGE results.

Protein / Content Specification

≥ 5 mg/ml by A₂₈₀ (E_{mg/ml} = 1.4)

Characteristics Specification

IgG₁ Isotype. This clone 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 AP002S. Greater than 95% inhibition of PSA chymotrypsin-like activity at a 1:2 molar ratio of PSA:MAb.

Storage / Shipping

Product is shipped using a refrigerated gel pack (**not temperature monitored**). On arrival, store refrigerated at 2°C to 8°C. Do not freeze!

Precaution / Hazard Statement

This product is not considered a biohazard. Handle using normal laboratory procedures.

Intended Use: For Research Use or Further Manufacture Only. Not for Use in Diagnostic Procedures.

Manufacturers of the highest quality proteins and antibodies.



PRODUCT SPECIFICATION

Monoclonal antibody to Human Prostate Specific Antigen (PSA)

Catalog Number: MP077 **Part Number:** 90206

Clone Number: BP008S

Source: Murine

Immunogen: Purified PSA from human seminal fluid

Purification Method: Protein A Chromatography and Gel Filtration

Form

Clear liquid - Buffer: 10mM Sodium Phosphate, 150mM Sodium Chloride, 0.1% Sodium Azide, pH 7.2 ± 0.1

Purity Specification

Protein A purified IgG fraction.
Report SDS-PAGE results.

Protein / Content Specification

Report protein concentrations by A_{280} ($E_{mg/ml} = 1.4$)

Characteristics Specification

Mouse IgG₁ isotype. This clone reacts with PSA, PSA/ACT complex, and PSA/A2M complex by direct ELISA and Western Blot. This clone does not react with free α -1-antichymotrypsin (ACT) or α -2-macroglobulin (A2M).

Storage / Shipping

Product is shipped using a refrigerated gel pack (**not temperature monitored**). On arrival, store refrigerated at 2°C to 8°C. Do not freeze!

Precaution / Hazard Statement

This product is not considered a biohazard. Handle using normal laboratory procedures.

Intended Use: For Research Use or Further Manufacture Only. Not for Use in Diagnostic Procedures.

Manufacturers of the highest quality proteins and antibodies.