

## **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<sub>mg/ml</sub> = 1.4)

#### **Characteristics Specification**

IgG<sub>1</sub> 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.