

REV: 1/19

ANTIGENIX AMERICA Inc.

## PRODUCT INFORMATION SUMMARY

### Matched Antibody Pair Anti-Human-PSA

Purified Antibody	Capture	MP100444C	Capture	0.5 mg
Purified Antibody-HRP Conjugate		MP100444T	Tracer	0.2 mL

#### SPECIFICITY:

Human Prostate Specific Antigen (PSA), antibodies reactive to normal prostate, benign prostate hyperplasia, and prostate malignant carcinoma. A laboratory qualified matched antibody pair for ELISA and other applications. Clones: AC2 ( Tracer); AC1 ( Capture)

Reactive in ELISA, Immunohistochemistry - both frozen and paraffin-embedded tissue, and western blot ( @ 10 ug/mL for 1 ug/lane human PSA) .

**ELISA:** Sensitivity of approximately 1.0 ng/mL with assay range of 0 to 200 ng/mL was achieved using this antibody pair.

#### CLONES:

Derived from hybridization of murine myeloma (SP2/0) cells with spleen cells from BALB/c mice immunized with human PSA.

#### ELISA GENERAL PROCEDURE:

A laboratory qualified, matched monoclonal antibody pair for ELISA development is provided. One purified, lyophilized, antibody for "Capture" and HRP-labelled - or biotin labeled "Tracer" antibody.

**Capture:** Reconstitute with 1.0 mL double distilled water.

1) Further dilute in 0.05M Carbonate buffer, pH 9.5, (or similar coating buffer supplied by customer) to suggested coating concentration of 0.5 - 1.0 ug/well (customer may have to optimize).

**Note:** reagents contain no preservatives. For long-term storage of unused portion, add suitable preservative or freeze small aliquots and store at -20°C.

2) Coat microwells at 100 uL per well.

3) Incubate at 4°C overnight. Wash with 0.01M PBS, Tween-20. Dry with absorbent paper.

4) Use 200 uL per well coating stabilizer (ANTIGENIX cat. no. **EA150**  
- **This will block and stabilize in one step!** -Follow directions on  
coating stabilizer data sheet.

5) Incubate at 37°C for 2 hours. Dump contents, dry with absorbent  
paper.

**NOTE:** This general procedure is provided as a guideline only. Customer  
may use similar procedures that are optimized to the customer's  
requirements.

**Tracer:** Provided as liquid HRP concentrate **in 50% glycerol.**  
**Store @ -20 Deg. C.**

1) Further dilute in appropriate conjugate diluent to optimized  
concentration. The working dilution ( approx. 1:000 -1:1,500 will  
vary depending on assay conditions and must be determined by  
customer. For long-term storage, **store @ -20 Deg. C.** At high  
concentration.

2) After samples or standards (100 uL) are added to each  
microwell, and incubated, washed, etc., according to customer's  
protocol, dispense approximately 2 drops of diluted conjugate into  
each microwell, cover and incubate at room temp. for 60 minutes.

3) Wash the plate five times with wash solution. Add 100 uL of  
TMB substrate solution, cover and incubate 15 minutes at room  
temperature. Add 100 uL stop solution to each microwell.

4) Absorbance is read at 450 nm within 30 minutes.

#### **CROSS-REACTIVITY:**

Cross-reactivity with other cytokines, including MCP-1, IL 1 Beta,  
MCP-3, and Bovine Serum Albumin was not observed in quality control  
testing.

**RESEARCH USE ONLY**  
**NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE.**

www.antigenix.com  
ANTIGENIX AMERICA Inc.