



## Monoclonal Antibody to Prostate Specific Antigen (PSA)

### *Technical Data Sheet*

#### Reagent Category

Monoclonal primary antibody to PSA

#### Antibody Formats Supplied

- 7 ml of anti PSA, Ready-To-Use
- 0.2 ml of anti PSA, Concentrate

PRODUCT# IMI29261E (Ready-To-Use)

PRODUCT# IMI29252E (Concentrate)

**SOURCE:** Mouse

**IMMUNOGEN:** seminal fluid preparation

**IMMUNOGLOBULIN ISOTYPE:** IgG1

**CLONE:** PSA 28/A4

#### **REACTIVITY**

Prostatic specific antigen also called prostatic antigen is present on normal, benign and malignant prostatic cells. PSA protein is also found in normal serum and its level significantly increases during C and D stages of prostate cancer. This antibody is suitable for use on routinely fixed paraffin embedded and frozen sections. It is compatible with formalin fixed tissues and with other commonly used histological fixatives.

**POSITIVE CONTROL TISSUE:** Prostate carcinoma and normal Prostate

#### **Antibody FORMAT, DILUTION and INCUBATION Specifications**

**7 ml of Ready-to-Use; Do not dilute. Incubate for 30 minutes. This antibody best stains when formalin fixed paraffin embedded sections are retrieved.**

*For Background-Free, gentle retrieval, Innovex Uni-Trieve (60°-70°C) universal retrieval solution is highly recommended. To retrieve with Uni-Trieve: Warm up water bath to 60°-70°C and fill a slide holding container with Uni-Trieve solution. Place slides in a slide rack and immerse slides in a vessel or a coplin jar containing Uni-Trieve solution, bring the solution and slides to 60°-70°C and let slides incubate at 60°-70°C for 30 minutes. Rinse slides with 2 quick changes of water; No cooling period is required. Proceed with immunostaining.*

**0.2 ml of concentrate, dilute 1:50 for 30 minutes incubation. This antibody best stains when formalin fixed paraffin embedded sections are retrieved.**

*For Background-Free, gentle retrieval, Innovex Uni-Trieve (60°-70°C) universal retrieval solution is highly recommended. To retrieve with Uni-Trieve: Warm up water bath to 60°-70°C and fill a slide holding container with Uni-Trieve solution. Place slides in a slide rack and immerse slides in a vessel or a coplin jar containing Uni-Trieve solution, bring the solution and slides to 60°-70°C and let slides incubate at 60°-70°C for 30 minutes. Rinse slides with 2 quick changes of water; No cooling period is required. Proceed with immunostaining.*

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## **APPLICATIONS**

This antibody is intended for use in immunolocalization of PSA antigen by a variety of immunoassays such as Immunochemistry, ELISA, Immunoblotting and dot blotting. In immunochemistry, this antibody can be used in staining routinely fixed paraffin embedded or frozen histological sections of human or animal tissues for the purpose of qualitative localization of PSA antigens. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

## **SPECIES REACTIVITY**

This antibody reactivity with human has been substantiated, other species reactivity may be characterized by the end user.

## **STORAGE CONDITIONS**

Store in refrigerator at 2-8°C through expiration date noted on the vial.

## **IMPORTANT NOTE:**

The interpretation of test results is the sole responsibility of the end user.

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