



Monoclonal Antibody to Prostate Specific Acid Phosphatase (PSAP)

Technical Data Sheet

Reagent Category

Monoclonal primary antibody to PSAP

PRODUCT# IMI29161E (Ready-To-Use)

PRODUCT# IMI29152E (Concentrate)

Antibody Formats Supplied

7 ml of anti PSAP, Ready-To-Use

0.2 ml of anti PSAP, Concentrate

SOURCE: Mouse ascites fluid

IMMUNOGLOBULIN ISOTYPE: IgG2a

IMMUNOGEN: Purified prostatic acid phosphatase form human seminal plasma

CLONE: PASE/4LJ

REACTIVITY

Human Prostatic acid phosphatase (PSAP) is a 52 kD molecular weigh antigen that is present on benign and malignant prostatic epithelium. PSAP can be found in abundance in the cytoplasm of epithelial cells in prostatic glands and ducts. This antibody is reactive with glandular epithelium of normal and hyperplastic prostate. This antibody's reactivity with prostatic carcinoma and metastatic cells of prostatic carcinoma has been well studied. This antibody is suitable for use on routinely fixed paraffin embedded and frozen sections and it is compatible with formalin fixed tissues and with other commonly used histological fixatives.

POSITIVE CONTROL TISSUE: Prostate adenocarcinoma

Antibody FORMAT, DILUTION and INCUBATION

7 ml of pre-diluted, Ready-to-Use; Do not dilute. Incubate for 10 minutes. The incubation of up to 30 minutes to 1 hour will not adversely effect the results.

0.2 ml of concentrate, dilute 1:50 for 10-30 minute incubation.

The above dilutions and incubation times were derived by the use of Innovex STAT-Q and HISTO-STAT detection systems. For less sensitive detection systems these dilution factors may vary and they should be determined by the end user for specific detection system employed.

SPECIAL USAGE GUIDANCE

No pre-treatment is necessary, however, for best staining results, the use of Innovex signal -Enhancing Wash Buffers (Item#: IMI00396E for Immuno-Peroxidase staining and Item#: IMI00596E for Immuno-Alkaline-phosphatase) in place of PBS or Tris buffer for the rinsing steps in between the incubation steps is highly recommended. The use of Innovex Enhancing Wash Buffers greatly enhances staining signals for antigenically weak tissues or for overfixed tissues. Its use further eliminates the need for enzyme Pre-digestion, heat application (retrieval procedure), long incubation of primaries and repetitive procedures.

CONTINUED OVER



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APPLICATIONS

This antibody is intended for use in immunolocalization of PSAP 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 PSAP 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.

FOR IN VITRO RESEARCH USE ONLY