Novocastra™ Liquid Mouse Monoclonal Antibody Prostatic Acid Phosphatase

Product Code: NCL-L-PAP

Intended Use: For In Vitro Diagnostic Use: This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy.

Specificity: Human prostatic acid phosphatase.

Clone: PASE/4LJ

Ig Class: IgG1

Antigen Used for Immunizations: Prostatic acid phosphatase purified from human seminal plasma.

Hybridoma Partner: Mouse myeloma (P3 x Ag8.653).

Preparation: Liquid tissue culture supernatant containing 15 mM sodium azide. Volume as indicated on vial label.

Effective on Frozen Tissue: Yes

Effective on Paraffin Wax Embedded Tissue: Yes

Recommendations on Use: Immunohistochemistry: Typical working dilution 1:100. 60 minutes primary antibody incubation at 25 °C. Standard ABC technique. Western Blotting: Not recommended.

Positive Controls: Immunohistochemistry: Prostate.

Staining Pattern: Cytoplasmic.

Storage and Stability: Store liquid antibody at 4 °C. Under these conditions, there is no significant loss in product performance up to the expiry date indicated on the vial label. Prepare working dilutions on the day of use.

General Overview: Prostatic acid phosphatase (PAP) is an isoenzyme of acid phosphatase found in large amounts in the prostate and seminal fluid. The precise function of PAP is unknown. It may act as a hydrolase to split phosphoryl choline in semen and also function as a transferase. NCL-L-PAP is reported to react with human PAP in whole seminal plasma.