Novocastra™ Liquid Mouse Monoclonal Antibody Prostatic Acid Phosphatase

Product Code: NCL-L-PAP

Intended Use
FOR RESEARCH USE ONLY.

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.

General References