



Monoclonal Antibody to Placental Alkaline phosphatase (PLAP) *Technical Data Sheet*

Reagent Category

Monoclonal primary antibody to PLAP

Antibody Formats Supplied

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

PRODUCT# IMI28661E (Ready-To-Use)

PRODUCT# IMI28652E (Concentrate)

SOURCE: Mouse ascites

CLONE: 8A9

REACTIVITY

Placental alkaline phosphatase (PLAP) is expressed on normal placenta and it is often used as a general screening maker for germ cell tumors in conjunction with the use of other antibodies such as AFP, alpha-1-antitrypsin and hCG. PLAP has been shown to be present in more than 90% seminomas and in 60% of other testicular tumors (Jacobsen, et al). This antibody reacts with routinely fixed, paraffin embedded and frozen sections. This antibody is compatible with formalin fixative as well as most histological fixatives.

POSITIVE CONTROL TISSUE: Human immature (mid term) placenta

STAINING PATTERN: Cytoplasmic

PRODUCT FORMATS, DILUTIONS and INCUBATIONS

This affinity purified monoclonal PLAP antibody is provided in phosphate buffered saline pH 7.2 containing bovine serum albumin (BSA) and 0.05% sodium azide.

7ml Ready-to-Use, Do Not Dilute. Incubate for 10-30 minutes for paraffin sections. This antibody requires retrieval when staining formalin fixed paraffin embedded sections.

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, for paraffin section staining: Dilute 1:30- 1:50 for 30-minute incubation. The dilution factors are considerably higher for 1 hour to over-night incubation. The dilution factor for longer incubation time is higher and it must be determined by the end user for the application and the staining system employed. This antibody requires retrieval when staining formalin fixed paraffin embedded sections.

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.

THE SUGGESTED STARTING DILUTION FACTORS ARE MERE GUIDELINES ONLY. OPTIMAL DILUTION FACTORS MUST BE DETERMINED BY THE END USER FOR THE SECONDARY STAINING REAGENTS, SPECIMEN, STAINING PROTOCOL AND APPLICATION EMPLOYED.

The above dilutions and incubation times were derived by the use of Innovex STAT-Q 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.

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APPLICATIONS

This antibody is intended for use in immunolocalization of PLAP 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 or quantitative localization of PLAP. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

SPECIES REACTIVITY

This antibody reactivity with human and bovine tissues 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 PROFESSIONAL AND RESEARCH USE ONLY