



## Monoclonal Antibody to **PNEUMOCYSTIS *carinii***

### *Technical Data Sheet*

#### Reagent Category

Monoclonal primary antibody to  
PNEUMOCYSTIS *carinii*

#### Antibody Formats Supplied

- 7 ml of anti PNEUMOCYSTIS *carinii*, Ready-To-Use
- 0.2 ml of anti PNEUMOCYSTIS *carinii*, Concentrate

PRODUCT# IMI28761E (Ready-To-Use)

PRODUCT# IMI28752E (Concentrate)

**SOURCE:** Mouse ascites fluid

**IMMUNOGEN:** Pneumocystis *carinii* isolates from several species

**IMMUNOGLOBULIN ISOTYPE:** IgG1

**CLONE:** 3F6

#### **REACTIVITY**

This mouse anti Pneumocystis *carinii* antibody is a purified preparation from mouse ascites fluid, this antibody is reactive with Pneumocystis *carinii* from a variety of species. When using this antibody on animal tissues, the use of Innovex Background Buster (product# IMI01172E) for blocking step is highly recommended. Blocking with Innovex Background Buster will eliminate and/or reduce background staining that is often observed with animal tissue staining. Furthermore, it makes staining of same species antibody in same species tissue possible, e.g. mouse antibody on mouse or rat tissue. This antibody is suitable for use on routinely fixed paraffin embedded and frozen sections and it is compatible with formalin fixed tissues.

**POSITIVE CONTROL TISSUE:** Lung infected tissue

**STAINING PATTERN:** Cytoplasmic

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

This affinity purified monoclonal mouse anti pneumocystis *carinii* ascites antibody is provided in phosphate buffered saline pH 7.2 containing bovine serum albumin (BSA) and 0.05% sodium azide.

**7 ml of Ready-to-Use, Do not dilute. Incubate for 30 minutes for paraffin sections. 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 Concentrate. Dilute 1:50-1:100 for 30-minute incubation.** For longer incubation time the titer may be higher and it must be determined by the end user. **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.*

*The above dilutions and incubation times were derived by the use of Innovex STAT-Q and HISTO-STAT staining systems. For less sensitive detection systems above 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 *Pneumocystis carinii* by a variety of immunoassays such as Immunochemistry, fluorescent labeling, 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 pneumocystis *carinii* in human or animal tissues. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

## **SPECIES REACTIVITY**

This antibody is reactive with pneumocystis *carinii* in human and a variety of species.

## **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***