

Anti-Pneumocystis jirovecii Antibody, Mouse Monoclonal

Catalog Number: CB-P300m, 100 µg

Introduction

Pneumocystis pneumonia (PCP) or pneumocystosis is a form of pneumonia, caused by the yeast-like fungus (which had previously been erroneously classified as a protozoan) *Pneumocystis jirovecii*. This pathogen is specific to humans; it has not been shown to infect other animals, while other species of *Pneumocystis* that parasitize other animals have not been shown to infect humans.

Pneumocystis is commonly found in the lungs of healthy people, but being a source of opportunistic infection it can cause a lung infection in people with a weak immune system. *Pneumocystis pneumonia* is especially seen in people with cancer, HIV/AIDS and the use of medications that affect the immune system.

The older name *Pneumocystis carinii*, (which now only applies to the *Pneumocystis* variant that occurs in animals), is still in common usage. As a result, *Pneumocystis pneumonia* (PCP) is also known as *Pneumocystis jirovecii* pneumonia and (incorrectly) as *Pneumocystis carinii pneumonia*.

Regarding nomenclature, when the name of *Pneumocystis pneumonia* changed from *P. carinii pneumonia* to *P. jirovecii pneumonia*, it was at first felt that it could no longer be referred to as "PCP." However, because the term PCP was already in common usage, it was rationalized that the term PCP could continue to be used, as it stood for *PneumoCystis (jirovecii) Pneumonia*.

Description

Mouse monoclonal antibody.

Applications

Western blot and IHC, may be used for other applications.

Immunogen

P. jirovecii cysts isolated from human lung.

Specificity

Recognizes *P. jirovecii*.

Purification

Immunoaffinity chromatography.

Isotype

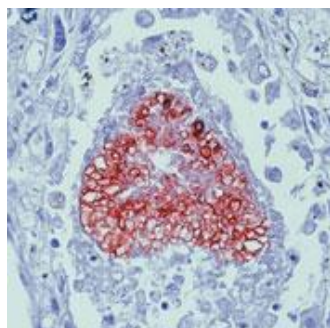
IgG1/k.

Storage

Store at 4 °C; Stable for at least 6 months from the date of shipment. Non-hazardous. For long-term storage, keep at -20 °C.

Concentration

1 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.



IHC staining of paraffin-embedded tissue sections of *Pneumocystis Jirovecii* in infected lung

