### Product Overview
Monoclonal Antibody to Pneumocystis carinii.

### Specificity
QSP228 antibody reacts specifically with P. carinii pneumonia, staining especially cysts present in biopsy material, bronchial lavage and induced sputum samples. For bronchial lavage and induced sputum samples pretreatment of samples with 0.3% dithiothreitol or sputolysin is recommended. In Western blotting analysis the antibody identifies an antigen of 93 kD of P. carinii.

### Immunogen
Pneumocystis carinii isolates.

### Clone
QSP228

### Isotype
IgG2b

### Host animal
Mouse

### Format
Protein-A affinity-purified from ascites.

### Application
Immunofluorescence; Western blot.

### Cross Reactivity
Bacteria.

### Working Dilution
Dilute 1:20 with PBS, pH 7.4 for immunofluorescence microscopy.

### Incubation Time
30 min at 37°C.

### 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 jiroveci. 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 species that is found in rats), is still in common usage. As a result, Pneumocystis pneumonia (PCP) is also known as Pneumocystis jiroveci pneumonia and (incorrectly) as Pneumocystis carini pneumonia. Regarding nomenclature, when the name of Pneumocystis pneumonia changed from P. carinii pneumonia to P. jiroveci 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 (jiroveci) Pneumonia.

### Keywords
PCP; Pneumocystis jiroveci; Pneumocystis carinii; pneumonia; Pneumocystis jiroveci pneumonia; Pneumocystis carinii pneumonia

### REFERENCES
3. Stringer JR, Beard CB, Miller RF, Wakefield AE (September 2002). "A new name (Pneumocystis jiroveci) for Pneumocystis from humans". Emerging Infect. Dis. 8 (9): 891

---

**SPECIFICATION SHEET**
Revised 11/21/13 MAb-LMH0013

**Mouse Anti-Pneumocystis carinii Monoclonal Antibody**

**Cat. No.:** MAB6565  
**Lot. No. (See product label)**

**PRODUCT INFORMATION**

**Mouse, Monoclonal (Pneumocystis carinii)**

**BACKGROUND**

**Buffer:** Reconstitute in 1 ml dist. water (final solution contains 0.09 % NaN₃, 0.5% BSA in PBS buffer, pH 7.4)  

**Storage:** One year after reconstitution when stored at 2-8°C; for longer storage aliquots should be kept at -20°C.

**REFERENCES**

3. Stringer JR, Beard CB, Miller RF, Wakefield AE (September 2002). "A new name (Pneumocystis jiroveci) for Pneumocystis from humans". Emerging Infect. Dis. 8 (9): 891