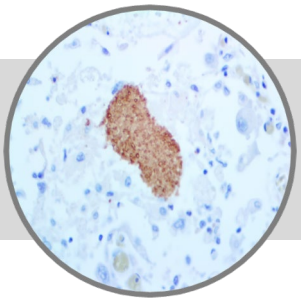
Pneumocystis Jirovecii

Clone: 3F6

Mouse Monoclonal



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Inset: IHC of Pneumocystis Jirovecii on a FFPE Infected Lung Tissue

Intended Use

Analyte Specific Reagent.

Analytical and performance characteristics for Pneumocystis Jirovecii antibody, clone 3F6, are not established.

Immunogen

Pneumocystis jirovecii cysts isolated from human lung.

Summary and Explanation

Anti-Pneumocystis jirovecii antibody reacts with an epitope on the yeast-like fungal microorganism, Pneumocystis jirovecii. that is resistant to formalin, picric acid, paraffin, as well as alcohol and xylene. No cross-reactivity has been demonstrated with other fungi or parasitic organisms.

Antibody Type	Mouse Monoclonal	**Clone**	3F6
Isotype	IgM/K	**Reactivity**	Paraffin, Frozen
Localization	membranous	**Control**	P. Jirovecii infected tissue
	Species Reactivity	Human	

Precautions

1. For professional users only. Results should be interpreted by a qualified medical professional.
2. This product contains <0.1% sodium azide (NaN_3) as a preservative. Ensure proper handling procedures are used with this reagent.
3. Always wear personal protective equipment such as laboratory coat, goggles and gloves when handling reagents.
4. Dispose of unused solution with copious amount of water.
5. Do not ingest reagent. If reagent is ingested, seek medical advice immediately.
6. Avoid contact with eyes. If contact occurs, flush with large quantities of water.
7. Follow safety precautions of the heating device used for epitope retrieval (TintoRetriever Pressure Cooker or similar).
8. For additional safety information refer to Safety Data Sheet for this product.
9. For complete recommendations for handling biological specimens, please refer to the CDC document, "Guidelines for Safe Work Practices in Human and Animal Medical Diagnostic Laboratories" (see References in this document).

Presentation

Pneumocystis jirovecii is a mouse monoclonal antibody derived from cell culture supernatant that is concentrated, dialyzed, filter sterilized and diluted in buffer pH 7.5, containing BSA and sodium azide as a preservative.

Catalog No.	*Antibody Type*	*Dilution*	*Volume/Qty*
BSB 5875	Tinto Prediluted	Ready-to-Use	3.0 mL
BSB 5876	Tinto Prediluted	Ready-to-Use	7.0 mL
BSB 5877	Tinto Prediluted	Ready-to-Use	15.0 mL
BSB 5878	Concentrated	1:10 - 1:50	0.1 mL
BSB 5879	Concentrated	1:10 - 1:50	0.5 mL
BSB 5880	Concentrated	1:10 - 1:50	1.0 mL

Control Slides Available

Catalog No.	*Quantity*
BSB 5881	5 slides

Storage

Store at 2-8°C

Stability

This product is stable up to the expiration date on the product label. Do not use after expiration date listed on package label. Temperature fluctuations should be avoided. Store appropriately when not in use, and avoid prolonged exposure to room temperature conditions.

Specimen Preparation

Paraffin sections: The antibody can be used on formalin-fixed paraffin-embedded (FFPE) tissue sections. Ensure tissue undergoes appropriate fixation for best results. Pre-treatment of tissues with heat-induced epitope retrieval (HIER) is recommended using Bio SB ImmunoDNA Retriever with Citrate (BSB 0020-BSB 0023), ImmunoDNA Retriever with EDTA (BSB 0030-BSB 0033) or ImmunoDNA Digestor (BSB 0108-0112). See reverse side for complete protocol. Tissue should remain hydrated via use of Bio SB Immuno/DNA Washer solutions (BSB 0029 & BSB 0042).

Frozen sections and cell preparations: The antibody can be used for labeling acetone-fixed frozen sections and acetone-fixed cell preparations.

This Antibody has been quality control tested by immunohistochemistry as follows

Quality Control Procedure

Step	ImmunoDetector AP/HRP	PolyDetector AP/HRP	PolyDetector Plus HRP
Peroxidase/AP Blocker	5 min.	5 min.	5 min
Primary Antibody	30-60 min.	30-60 min.	30-60 min.
1st Step Detection	10 min.	30-45 min.	15 min.
2nd Step Detection	10 min.	Not Applicable	15 min.
Substrate-Chromogen	5-10 min.	5-10 min.	5-10 min.
Counterstain / Coverslip	Varies	Varies	Varies

Mounting Protocols

For detailed instructions using biodegradable permanent mounting media such as XyGreen PermaMounter (BSB 0169-0174) or organic solvent based resin such as PermaMounter (BSB 0094-0097), refer to PI0174 or PI0097.

Product Limitations

Due to inherent variability present in immunohistochemical procedures (including fixation time of tissues, dilution factor of antibody, retrieval method utilized and incubation time), optimal performance should be established through the use of positive and negative controls. Results should be interpreted by a qualified medical professional.

References

1. Silverberg SG, et al. P.P.S.P, 3rd edition. 1997;182-185
2. Linder E, et al. J Immunol Methods. 1987; 98:57-62
3. Elvin KM, et al. Br Med J. 1988;297:381-4
4. Radio SJ, et al. Modern Pathol. 1990; 3:462-9
5. U.S. Department of Health and Human Services: Centers for Disease Control and Prevention. Guidelines for Safe Work Practices in Human and Animal Medical Diagnostic Laboratories. Supplement / Vol. 61, January 6, 2012.

Symbol Key / Légende des symboles/Erläuterung der Symbole

Storage Temperature Limites de température Zulässiger Temperaturbereich	Manufacturer Fabricant Hersteller	REF Catalog Number Référence du catalogue Bestellnummer
Read Instructions for Use Consulter les instructions d'utilisation Gebrauchsanweisung beachten	Expiration Date Utiliser jusque Verwendbar bis	LOT Lot Number Code du lot Chargenbezeichnung

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