

***Mycobacterium avium* Monoclonal Antibodies**

ORDERING INFORMATION

Catalog No.	Clone No.	MAb Subtype	Size	Library Pack No.	100ug/clone
18101	JD10-207.5	IgG2a	100ug, 500ug	181101	All 5 clones
18102	JD11-419.2	IgG1	100ug, 500ug		
18103	JD11-366.1	IgG1	100ug, 500ug		
18104	JD12-551.6	IgG1	100ug, 500ug		
Format:	Purified antibody in PBS, pH 7.4				

BACKGROUND

Mycobacteria are small, slow-growing, aerobic bacilli. They are distinguished by a complex, lipid-rich cell envelope responsible for their characterization as acid-fast (ie, resistant to decolorization by acid after staining with carbolfuchsin) and their relative resistance to Gram stain. The most common mycobacterial infection is tuberculosis; others include leprosy and various diseases caused by *Mycobacterium avium* complex. The term *Mycobacterium avium* complex (MAC) refers to two species: *M avium* and *M intracellulare*. Because these species are difficult to differentiate, they are also collectively referred to as *Mycobacterium avium-intracellulare* (MAI). MAC primarily affects individuals who are immune compromised (eg, from AIDS, hairy cell leukemia, immunosuppressive chemotherapy).

SPECIFICATION SUMMARY

Antigen: Cell extract of *M. avium* obtained from the National Veterinary Services Laboratories, Ames, Iowa.

Host Species: Mouse

Specificity: These antibodies recognize *M. avium*. They do not cross-react with *Mycobacterium tuberculosis*, *Mycobacterium phlei*, *Corynebacterium bovis*, or *Mycoplasma bovis*.

APPLICATIONS

These antibodies have been qualified for use in ELISA to detect *M. avium*. Endusers should determine optimal concentrations for their applications.

DILUTION INSTRUCTIONS

Dilute in PBS or medium that is identical to that used in the assay system.

STORAGE AND STABILITY

These antibodies are stable for at least one (1) year at -20° to -70°C. Store product in appropriate aliquots to avoid multiple freeze-thaw cycles.

For in vitro investigational use only. Not intended for use in therapeutic or diagnostic procedures.