

Mouse Anti-Mycoplasma bovis (BCG) [MYB163]: MC0979, MC0979RTU7

Intended Use: For Research Use Only

Description: Mycoplasma mastitis has been reported in many dairy farms throughout the United States. Mycoplasma are opportunistic invaders and can cause joint infections, pneumonia, metritis, and mastitis. Several species of Mycoplasma have been found in dairy cattle, but by far the most prevalent is Mycoplasma bovis, which is responsible for more than half of all reported isolates. This specie also causes the most severe infections of any Mycoplasma organism known to cause disease in cattle.

Specifications:

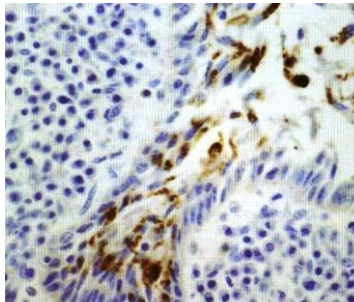
Clone: MYB163
 Source: Mouse
 Isotype : IgG1k
 Reactivity: Mycoplasma bovis
 Immunogen: Mycoplasma bovis strain M23
 Localization: Mycoplasma bovis strains
 Formulation: Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
 Storage: Store at 2°- 8°C
 Applications: IHC, ELISA, WB
 Package:

Description	Catalog No.	Size
Mycoplasma bovis (BCG) Concentrated	MC0979	1 ml
Mycoplasma bovis (BCG) Prediluted	MC0979RTU7	7 ml

IHC Procedure*:

Positive Control Tissue: Mycoplasma bovis infected calf tissue
 Concentrated Dilution: 50-200
 Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
 Incubation Time and Temp: 30-60 minutes @ RT
 Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE calf lung with chronic pneumonia stained with anti-M. Bovis using DAB showing intense dark-brown staining of M. bovis organisms at bronchiolar epithelial surface and lumen

References:

1. Immunohistochemical Labelling of Cytokines in Calves Infected Experimentally with Mycoplasma bovis. F Rodríguez, et al. J Comp Pathol, Feb 2015.
2. Monoclonal Antibody-Based Immunohistochemical Technique for the Detection of Mycoplasma Bovis in Formalin-Fixed, Paraffin-Embedded Calf Lung Tissues. David Adegboye, et al. Journal of veterinary diagnostic investigation: official publication of the American Association of Veterinary Laboratory Diagnosticians, Inc · May 1995.