

# Mycoplasma bovis (201): sc-66067

## BACKGROUND

*Mycoplasma* compose a genus of small microorganisms resembling bacteria without cell walls. Many different species of *Mycoplasma* exist, all of which are aggressive invaders that promote pneumonia, joint infections, mastitis, and metritis. Numerous species of *Mycoplasma* proliferate in dairy cattle, but *Mycoplasma bovis* is the most prevalent. Responsible for the majority all reported isolates, *Mycoplasma bovis* also causes the most severe infections of any *Mycoplasma* organism yet identified to promote cattle disease. With an optimum growth temperature often equivalent to that of their host, *Mycoplasma bovis* are often found in bovine milk. *Mycoplasmas* are also found in research laboratories, often resulting from reckless handling of cell cultures. Somewhat difficult to detect and eliminate from cell lines, these parasites are also immune to antibiotics that target cell wall synthesis.

## REFERENCES

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## SOURCE

*Mycoplasma bovis* (201) is a mouse monoclonal antibody raised against *Mycoplasma bovis* cells.

## PRODUCT

Each vial contains 100 µg IgG<sub>1</sub> in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

## APPLICATIONS

*Mycoplasma bovis* (201) is recommended for detection of *Mycoplasma bovis* by solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

## STORAGE

Store at 4° C, **\*\*DO NOT FREEZE\*\***. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

## RESEARCH USE

For research use only, not for use in diagnostic procedures.

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.