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## Chloramphenicol Mouse mAb

Catalog Number: bsm-0971M

Target Protein: Chloramphenicol

Concentration: 1mg/ml

Form: Liquid

Host: Mouse

Clonality: Monoclonal

Clone No.: 7C12

Isotype: IgG

Applications: ELISA (1:5000-10000)

Reactivity: (predicted:Chloramphenicol)

Purification: affinity purified by Protein G

Storage: 0.01M TBS (pH7.4).

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** Chloramphenicol is a bacteriostatic antimicrobial originally derived from the bacterium *Streptomyces venezuelae*, isolated by David Gottlieb, and introduced into clinical practice in 1949. It was the first antibiotic to be manufactured synthetically on a large scale, and alongside the tetracyclines, is considered the prototypical broad-spectrum antibiotic. Chloramphenicol is effective against a wide variety of Gram-positive and Gram-negative bacteria, including most anaerobic organisms. Due to resistance and safety concerns, it is no longer a first-line agent for any indication in developed nations and has been replaced by newer drugs in this setting, although it is sometimes used topically for eye infections. In low-income countries, chloramphenicol is still widely used because it is exceedingly inexpensive and readily available.