bsm-4541M **[Primary Antibody]**

Chloramphenicol Mouse mAb

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DATASHEET

Host: Mouse **Isotype:** IgG

Clonality: Monoclonal **CloneNo.:** 1C7

Target: Chloramphenicol

Purification: affinity purified by Protein G

Concentration: 1mg/ml

Storage: Size : 50ul/100ul/200ul
0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Size : 200ug (PBS only)
0.01M PBS
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to resistance and safety concerns, it is no longer a first-line agent for any indication in developed nations and has been replaced by newer drugs in this setting, although it is sometimes used topically for eye infections.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.

Applications: **ELISA** (1:5000-10000)

Reactivity: (predicted: Chloramphenicol)

Predicted MW.: 0.323 kDa

SELECTED CITATIONS

- **[IF=8.5]** Lingqin Meng. et al. Highly sensitive antibiotic sensing based on optical weak value amplification: A case study of chloramphenicol. FOOD CHEM. 2024 Jun;:140184 Other ;. 38968708
- **[IF=7.561]** Lei He. et al. HVEM Promotes the Osteogenesis of allo-MSCs by Inhibiting the Secretion of IL-17 and IFN-γ in Vγ4T Cells. Front Immunol. 2021; 12: 689269 WB ;Mouse. 34248977
- **[IF=2.531]** Junpei Zhang. et al. Knockdown of TRIM15 inhibits the activation of hepatic stellate cells. 2021 Jun 17 WB ;Human. 34142270
- **[IF=1.68]** Liang, Xiaohui, et al. "Direct competitive chemiluminescence immunoassays based on gold‐coated magnetic particles for detection of chloramphenicol."Luminescence (2015). Other ;="". 26031849
- **[IF=2.475]** Zhou et al. Rapid detection of chloramphenicol residues in aquatic products using colloidal gold immunochromatographic assay. (2014) Sensors.(Basel). 14:21872-88 Other ;Chloramphenicol. 25412221