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Chloramphenicol Mouse mAb

Catalog Number:	bsm-4541M
Target Protein:	Chloramphenicol
Concentration:	1mg/ml
Form:	Size : 50ul/100ul/200ul Liquid Size : 200ug (PBS only) Lyophilized Note: Centrifuge tubes before opening. Reconstitute the lyophilized product in distilled water. Optimal concentration should be determined by the end user.
Host:	Mouse
Clonality:	Monoclonal
Clone No.:	1C7
Isotype:	IgG
Applications:	ELISA (1:5000-10000)
Reactivity:	(predicted:Chloramphenicol)
Predicted MW:	0.323 kDa
Purification:	affinity purified by Protein G
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to resistance and safety concerns, it is no longer a first-line agent for any indication in developed nations and has been replaced by newer drugs in this setting, although it is sometimes used topically for eye infections.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.

PRODUCT SPECIFIC PUBLICATIONS

[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