

Mouse anti-Chloramphenicol Monoclonal Antibody

Cat. No. CAB049 Lot. No. (See product label)

SPECIFICATION

Product Overview

Source	Ascites
Antigen Information	Chloramphenicol is a bacteriostatic antimicrobial originally derived from the bacterium <i>Streptomyces venezuelae</i>, isolated by David Gottlieb, and introduced into clinical practice in 1949. It was the first antibiotic to be manufactured synthetically on a large scale. Chloramphenicol is effective against a wide variety of microorganisms; it is still very widely used in low income countries because it is exceedingly inexpensive, but has fallen out of favour in the West due to a very rare but very serious side effect: aplastic anemia. In the West, the main use of chloramphenicol is in eye drops or ointment for bacterial conjunctivitis.
Formula	$C_{11}H_{12}Cl_2N_2O_5$
CAS number	56-75-7
Mol. mass	323.132 g/mol
Bioavailability	75–90%
Metabolism	Hepatic
Half life	1.5–4.0 hours

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Appearance	Clear colorless solution
Format	Purified,Liquid
sotype	IgG2b
Immunogen	KLH-Chloramphenicol
Purification	Protein A
Buffer	0.01mol/L phosphate buffered saline, pH 7.4
Concentration	1 mg/ml
Storage	Short-term store at 2-8°C, Long term store at -20°C

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