



Chloramphenicol [KLH] (DAG2974K)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Chloramphenicol, covalently linked to keyhole limpet hemocyanin
Species	N/A
Conjugate	KLH
Applications	ELISA
Format	Liquid
Concentration	Batch dependent - please inquire should you have specific requirements.
Size	1 mg
Buffer	0.01M pH7.4 PBS
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

BACKGROUND

Introduction	Chloramphenicol is a semisynthetic, broad-spectrum antibiotic derived from <i>Streptomyces venequelae</i> with primarily bacteriostatic activity. Chloramphenicol diffuses through the bacterial cell wall and reversibly binds to the bacterial 50S ribosomal subunit. The binding interferes with peptidyl transferase activity, thereby prevents transfer of amino acids to the growing peptide chains and blocks peptide bond formation. As a result bacterial protein synthesis is blocked and impede bacterial cell proliferation.
Keywords	Chloremphenicol; chloramphenicol; Chloromycetin; Chlornitromycin; Levomycetin; Chloramphenicol KLH conjugate; drug-KLH conjugate, drug-conjugate