



# Chloramphenicol [HSA-Biotin] (DAG534S)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	Chloramphenicol, covalently linked to biotinylated human serum albumin
<b>Species</b>	N/A
<b>Purity</b>	chromatography, dialysis
<b>Conjugate</b>	HSA-Biotin
<b>Applications</b>	e.g. allergy test, immunoassays etc.
<b>Molecular Weight</b>	app. 65 kDa
<b>Format</b>	Liquid
<b>Concentration</b>	1 mg/mL, conjugation ratio is app. 1:10 - 1:40.
<b>Size</b>	1 mg
<b>Buffer</b>	PBS
<b>Preservative</b>	0.05% sodium azide
<b>Storage</b>	Store at 4°C.

## BACKGROUND

<b>Introduction</b>	Chloramphenicol is a semisynthetic, broad-spectrum antibiotic derived from <i>Streptomyces venuequiae</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.
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**Keywords**

Chloremphenicol; chloramphenicol; Chloromycetin; Chlornitromycin; Levomycetin;  
Chloramphenicol biotinylated HSA conjugate; drug-HSA-Biotin conjugate, drug-conjugate

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