



Datasheet for ABIN1385083
anti-Chloramphenicol antibody



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1 Publication

Overview

Quantity:	100 µL
Target:	Chloramphenicol
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Chloramphenicol antibody is un-conjugated
Application:	ELISA

Product Details

Immunogen:	KLH conjugated Chloramphenicol
Clone:	2C12
Isotype:	IgG
Cross-Reactivity (Details):	Chloramphenicol
Purification:	Purified by Protein G.

Target Details

Target:	Chloramphenicol
Abstract:	Chloramphenicol Products
Target Type:	Chemical
Background:	Synonyms: Chloramphenicol, D_-threo-2,2-Dichloro-N-[beta-hydroxy-alpha-hydroxymethyl-beta-4-nitrophenylethyl]acetamide, D_-threo-2-Dichloroacetamido-1-4-nitrophenyl-1,3-propanediol,

Target Details

D-threo-2,2-Dichloro-N-[beta-hydroxy-alpha-hydroxymethyl-4-nitrophenethyl]acetamide, Chloromycetin.

Background: Chloramphenicol is an antibiotic that was derived from the bacterium *Streptomyces venezuelae*. It was the first antibiotic to be manufactured synthetically on a large scale. Chloramphenicol is effective against a wide variety of microorganisms, but due to serious side effects (eg damage to the bone marrow) in humans, it is usually reserved for the treatment of serious and life threatening infections (eg typhoid fever). It is also used in eye drops or ointment to treat bacterial conjunctivitis.

Application Details

Application Notes: ELISA 1:500-1000

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

Publications

Product cited in: Liang, Fang, Yao, Yang, Li, Liu, Wang: "Direct competitive chemiluminescence immunoassays based on gold-coated magnetic particles for detection of chloramphenicol." in: **Luminescence : the journal of biological and chemical luminescence**, Vol. 31, Issue 1, pp. 168-72, (2016) ([PubMed](#)).