

## Mouse anti-Chloramphenicol Monoclonal Antibody

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

### SPECIFICATION

#### Product Overview

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Source              | Ascites                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Antigen Information | <p>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.</p> |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA