



# Mouse Anti-Chlortetracycline monoclonal antibody, clone CTC (CABT-L2386)

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

## PRODUCT INFORMATION

|                           |  |
|---------------------------|--|
| <b>Specificity</b>        | Chlortetracycline                      |
| <b>Immunogen</b>          | Chlortetracycline with carrier protein |
| <b>Isotype</b>            | IgG                                    |
| <b>Source/Host</b>        | Mouse                                  |
| <b>Species Reactivity</b> | N/A                                    |
| <b>Clone</b>              | CTC                                    |
| <b>Purification</b>       | Purified from mouse ascites.           |
| <b>Conjugate</b>          | Unconjugated                           |
| <b>Applications</b>       | ELISA, LFIA                            |
| <b>Format</b>             | Liquid                                 |
| <b>Concentration</b>      | Lot specific                           |
| <b>Size</b>               | 1 mg                                   |
| <b>Buffer</b>             | PBS                                    |
| <b>Preservative</b>       | None                                   |
| <b>Storage</b>            | -20°C. Avoid Freeze/Thaw Cycles        |

## BACKGROUND

**Introduction**

Tetracycline is a broad spectrum polyketide antibiotic produced by the *Streptomyces* genus of Actinobacteria. It exerts a bacteriostatic effect on bacteria by binding reversible to the bacterial 30S ribosomal subunit and blocking incoming aminoacyl tRNA from binding to the ribosome acceptor site. It also binds to some extent to the bacterial 50S ribosomal subunit and may alter the cytoplasmic membrane causing intracellular components to leak from bacterial cells.

**Keywords**

Tetracycline;Chlortetracycline;Sumycin