



Magic™ Mouse Anti-C. perfringens Epsilon Toxin Monoclonal antibody, clone 29Z90 (DMAB-CS24357)

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

PRODUCT INFORMATION

Specificity	Clostridium perfringens Epsilon Toxin
Target	C. perfringens Epsilon Toxin
Immunogen	Recombinant Clostridium perfringens epsilon toxin.
Isotype	IgG
Source/Host	Mouse
Species Reactivity	C. perfringens
Clone	29Z90
Conjugate	unconjugated
Applications	ELISA (Cap), LFIA
Format	Lyophilized
Size	10 µg, 100 µg, 1 mg
Buffer	1X Phosphate buffered saline, pH 7.4
Preservative	None
Storage	Store at -20°C to -80°C on receipt (up to 12 months). Avoid repeated freezing and thawing as this may denature the antibody.

BACKGROUND

Introduction Clostridium perfringens is a Gram positive, anaerobic, toxin producing sporeforming rod that is commonly found in normal intestinal bacteria. It is a cause of wound infections and food poisoning in humans. C. perfringens spores are ubiquitous in the environment. When the spores are injected or inoculated into a wound, bacteria grow and produce toxins. Epsilon toxin is one of the toxins of type B and type D strains of C. perfringens. Epsilon toxin has been suggested as a potential biological weapon. Epsilon toxin damages cell walls and causes potassium and fluid leakage from cells.

Keywords Clostridium perfringens; C. perfringens; C. perfringens Epsilon Toxin; C. perfringens ε Toxin; Epsilon Toxin