



Magic™ Mouse Anti-B. anthracis Spore antigen Monoclonal antibody, clone AN04 (DMAB- CS23118)

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

PRODUCT INFORMATION

Specificity	90kDa spore antigen specific to Bacillus anthracis
Target	B. anthracis Spore antigen
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	B. anthracis
Clone	AN04
Conjugate	unconjugated
Applications	WB, ELISA (Det)
Format	Liquid
Size	1 ml
Buffer	0.01M PBS, pH 7.2 with 0.1% sodium azide
Preservative	0.1% sodium azide
Storage	Be stored at 2-8°C until use

BACKGROUND

Introduction

The genus *Bacillus* consists of aerobic, Gram-positive, spore-forming, rodshaped bacterium. *Bacillus anthracis* causes anthrax, an acute infectious disease of cattle, sheep, goats, camels, antelopes and other herbivores that is highly lethal in some forms. Infection can occur in humans when exposed to infected animals or tissue from infected animals via three routes: cutaneous, inhalation and intestinal. *B. anthracis* spores persist (as spores) in the soil for many years as they are resistant to heat, cold, radiation, desiccation and disinfectants. In vivo, *B. anthracis* produces a polypeptide (polyglutamic acid) capsule that protects it from phagocytosis. The virulence factors of *B. anthracis* are its capsule and three component toxin, both encoded on plasmids.

Keywords

Bacillus anthracis; *B. anthracis*; *B. anthracis* Spore antigen; *B. anthracis* Spore