



Mouse Anti-Bacterial Peptidoglycan Monoclonal antibody, clone 4F7C4 (CABT- CS193)

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

PRODUCT INFORMATION

Specificity	Specific for the three-dimensional polymer complex structure of PG. The epitopes appear to consist of discontinuous glycan and/or amino acid residues, and have not been fully defined. In a competitive immunoassay format, several compounds were found to be ineffective as inhibitors: muramyl dipeptide, N-acetylglucosamine (NAG), chitin (polymer of NAG) and acid-hydrolyzed chitin (NAG oligomers).
Target	Bacterial Peptidoglycan
Immunogen	Insoluble PG obtained by TCA-heat and ethanol extraction of Streptococcus mutans BHT cells.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Bacteria
Clone	4F7C4
Conjugate	unconjugated
Applications	ELISA, Dot, IHC
Format	Liquid
Size	100 µl
Buffer	Ascites
Preservative	None

Storage

Maintain at -20°C in undiluted aliquots for up to 12 months. Avoid repeated freeze/thaw cycles.

BACKGROUND

Introduction

Peptidoglycan (PGN) is a highly conserved constituent of both the gram-positive and gram-negative envelopes. It is a bacterial cell wall component that stimulates innate immune responses.

Keywords

Peptidoglycan; PGN; Bacterial Peptidoglycan; Bacterial PGN
