



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: muramylpeptide, 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 <i>Streptococcus mutans</i> 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.
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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
