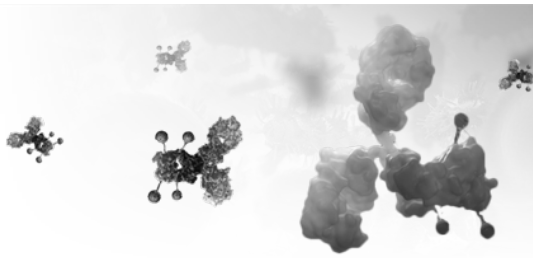

Mouse Anti-Bacteria LTA Monoclonal antibody, clone 66 (CABT-CS192)

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

PRODUCT INFORMATION

Specificity	CABT-CS192 detects Lipoteichic Acid from gram positive bacterial samples.
Target	LTA
Immunogen	Microbial mixture of Streptococcus sobrinus HG961, HG962, HG970, and HG977
Isotype	IgG3
Source/Host	Mouse
Species Reactivity	Gram positive bacteria
Clone	66
Conjugate	unconjugated
Applications	WB, ELISA, FC, IF, IHC
Format	Liquid
Size	1 ml
Buffer	tissue culture supernatant
Preservative	0.02% sodium azide
Storage	Store at 4°C.

BACKGROUND

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Introduction	Lipoteichoic acid (LTA) is the major proinflammatory structure present within the cell wall layer of most gram-positive bacteria. It plays an important role in the initiation and progression of bacterial infection, inflammation, and septic shock. LTA induces several cytokines in vivo, and LTA and peptidoglycan (PepG) synergize to cause the induction of nitric oxide formation which can lead to multiple organ failure. Since LTA is also found in the cell walls of non-pathogenic gram-positive bacteria, it has been suggested that the structure of LTA , and its ability to synergize with PepG, determines the ability of a particular bacterium to cause septic shock.
Keywords	LTA; lipoteichoic acid

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