



Magic™ Mouse Anti-S. flexneri 2a LPS

Monoclonal antibody, clone SHIG4025 (DMAB-CS25147)

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

PRODUCT INFORMATION

Specificity	Specific for the LPS of Shigella flexneri 2a and displays no cross reactivity for Shigella flexneri 1a, 3a, 4a, 5a, 6, S. sonnei, S. dysenteriae, S. boydii, Citrobacter, Salmonella (mix) or E. coli (mix).
Target	S. flexneri 2a LPS
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	S. flexneri
Clone	SHIG4025
Purification	Protein A
Conjugate	Unconjugated
Applications	ELISA(Det), IF We recommend the following antibodies for sandwich ELISA (Capture - Detection): DMAB-CS25147 - DMAB-CS25148
Format	Liquid
Size	250 µg
Buffer	0.01 M PBS, pH 7.2 and contains 0.1% sodium azide.
Preservative	0.1% sodium azide

Storage

This purified antibody is stable when stored at 2-8°C. Do not freeze.

BACKGROUND

Introduction

Shigella flexneri serotype 2a is a specific strain of *Shigella flexneri* responsible for causing shigellosis, a prominent global gastrointestinal infection. Serotype 2a holds clinical importance due to its prevalence and virulence. *Shigella flexneri* 2a infections often lead to severe symptoms such as bloody diarrhea, abdominal cramps, and fever. The lipopolysaccharides (LPS) on the bacterial cell surface play a pivotal role in its pathogenicity by contributing to adhesion, immune evasion, and triggering inflammatory responses in the host. The bacterium's ability to invade the colonic epithelium leads to localized inflammation and tissue damage, causing the characteristic symptoms of shigellosis.

Keywords

Shigella flexneri; *S. flexneri*; *S. flexneri* 2a; *S. flexneri* LPS
