



Mouse Anti-Salmonella Group A, B, C, D, E Monoclonal antibody, clone C3423N (CABT-RM306)

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

PRODUCT INFORMATION

Specificity	Cross-reacts with <i>Salmonella paratyphi</i> , <i>Salmonella typhimurium</i> , <i>Salmonella choleraesuis</i> , <i>Salmonella newport</i> , <i>Salmonella enteriditis</i> , <i>Salmonella anatum</i> and <i>Salmonella selandia</i> . Does not cross-react with <i>E. coli O55:B5</i> , <i>E. coli K12</i> and <i>Klebsiella pneumoniae</i> .
Target	Salmonella Group A, B, C, D, E
Immunogen	Heat inactivated bacterial cells of <i>Salmonella paratyphi</i> .
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	<i>S. paratyphi</i> , <i>S. typhimurium</i> , <i>S. choleraesuis</i> , <i>S. newport</i> , <i>S. enteriditis</i> , <i>S. anatum</i> , <i>S. selandia</i>
Clone	C3423N
Affinity Constant	LPS Group A 1×10^9 LPS Group B 1×10^7 LPS Group D 1×10^7 LPS Group E 1×10^{10}
Purification	> 90% pure. Protein G Chromatography
Conjugate	unconjugated
Applications	ELISA, IFA, Dot
Format	Liquid

Concentration	3.3 mg/mL
Size	1 mg
Buffer	0.01 M PBS, pH 7.4
Preservative	0.09% Sodium Azide
Storage	Store at 2-8°C.

BACKGROUND

Introduction *Salmonella* is a gram-negative, rod-shaped (bacillus) bacteria genus that belongs to the family Enterobacteriaceae. *Salmonella* contains two species: *Salmonella enterica* and *Salmonella bongori*. The type species is *Salmonella enterica* (S. enterica), which is widely found in warm-blood animals all over the world. *Salmonella enterica* can be further catalogued into 6 subspecies, with more than 2,500 serotypes. *Salmonella bongori* (S. bongori), however, is restricted to cold-blooded animals, particularly reptiles. Species of *Salmonella* are facultative intracellular pathogens. They can infect many different animal species, including humans. Thus they can be transferred between human and other animals. *Salmonella* infection may cause illness such as salmonellosis (food poisoning), typhoid fever, and paratyphoid fever.

Keywords *Salmonella; Salmonella Group A, B, C, D and E; Salmonella Group A-E; Salmonella A-E; Salmonella A, B, C, D , E*