



# 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

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

<b>Concentration</b>	3.3 mg/mL
<b>Size</b>	1 mg
<b>Buffer</b>	0.01 M PBS, pH 7.4
<b>Preservative</b>	0.09% Sodium Azide
<b>Storage</b>	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