



# Mouse Anti-Salmonella species (A,B,C,D,E,F,G Groups) Monoclonal antibody, clone C458N (CABT-CS869)

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

## PRODUCT INFORMATION

<b>Specificity</b>	Specific for common LPS core of Salmonella. Positive for all Salmonella O-serogroups tested: A, B, C1,C2, D, E1, E3, E4, F, G1 and G2. Negative for E. coli (mix), Klebsiella, Citrobacter, Pseudomonas, Yersinia, Shigella, Proteus and Legionella.
<b>Target</b>	Salmonella
<b>Immunogen</b>	Mixture of 4 Salmonella serotypes (whole organisms).
<b>Isotype</b>	IgG2b
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Salmonella
<b>Clone</b>	C458N
<b>Purification</b>	Protein A purified
<b>Conjugate</b>	unconjugated
<b>Applications</b>	ICC, IF, sELISA
<b>Format</b>	Liquid
<b>Size</b>	500 µg
<b>Buffer</b>	0.01M PBS pH7.2
<b>Preservative</b>	0.1% Sodium azide

**Storage**

Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

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## BACKGROUND

**Introduction**

The genus *Salmonella* is a member of the family Enterobacteriaceae. The genus is composed of Gram negative bacilli that are facultative and flagellated (motile). Salmonellae possess 3 major surface antigens; the H or flagellar antigen (phase 1 and 2), the O or somatic antigen (part of the LPS moiety) and the Vi or capsular antigen (referred to as K in other Enterobacteriaceae). Salmonellae also possess the LPS endotoxin characteristic of Gram negative bacteria. This LPS is composed of an O polysaccharide (O antigen) an R core and the endotoxic inner Lipid A. Endotoxins evoke fever and can activate complement, kinin and clotting factors.

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**Keywords**

*Salmonella*; *Salmonella* LPS

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