

Product datasheet for **BM1278**

Salmonella enteritidis Mouse Monoclonal Antibody [Clone ID: 100/358]

Product data:

Product Type:	Primary Antibodies
Clone Name:	100/358
Applications:	ELISA, IF
Recommended Dilution:	ELISA. Immunofluorescence.
Reactivity:	Salmonella enteritidis
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Native Salmonella enteritidis (NCTC 5188 9.12:g,m)
Specificity:	Specific to Salmonella enteritidis group antigen. This antibody recognizes an antigen common to the various Salmonella strains.
Formulation:	PBS State: Purified State: Liquid purified IgG fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Background:

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 antigens; the "H" or flagellar antigen (phase 1 & 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.

The commonest Salmonella serotype associated with food borne infections in humans is Salmonella enteritidis and in particular phage type 4 (PT4). Salmonella Enteritidis bacteria may be found in the intestinal tracts of livestock, poultry, Dogs, Cats and other warm-blooded animals. This strain is only one of about 2,000 kinds of Salmonella bacteria; it is often associated with poultry and eggs.