



Anti-Salmonella Polyclonal antibody (DPAB0219)

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

PRODUCT INFORMATION

Specificity	Polyvalent for Salmonella "O" & "H" antigens. Immunocaptures Salmonellae. Antiserum is not absorbed and does react with related Enterobacteriaceae.
Target	Salmonella
Immunogen	Mixture of S. enteritidis, S. typhimurium, and S. heidelberg
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Salmonella
Purification	Purified IgG fraction of the antiserum covalently coupled with high purity Isomer I of fluorescein isothiocyanate. Care is taken to ensure complete removal of any free fluorescein from the final product.
Conjugate	Unconjugated
Applications	Suitable for use in direct IFA. Acetone fixation of the antigen source is recommended prior to staining. Laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Format	Neat, Liquid
Concentration	4-5mg/ml (OD280nm, E0.1% = 1.4)
Size	1 ml
Buffer	0.01M PBS, pH 7.2 containing 10mg/ml BSA

Preservative	0.1% Sodium Azide
Storage	Short-term (up to 6 months) store at 2-8°C. Long term, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

BACKGROUND

Introduction	<p>The genus <i>Salmonella</i> 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.</p>
Keywords	Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales; Enterobacteriaceae; <i>Salmonella</i>