



Rabbit Anti-Salmonella O:4 Polyclonal antibody (DPAB-CS23076)

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

PRODUCT INFORMATION

Specificity	Salmonella O:4
Target	Salmonella O:4
Immunogen	Salmonella O Antigen
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Salmonella
Conjugate	unconjugated
Applications	Agg
Format	Liquid
Size	3 ml
Buffer	Antiserum
Preservative	None
Storage	Store at 2-8°C.

BACKGROUND

Introduction Salmonella spp., have, like other members of the Enterobacteriaceae family, three main types of antigens that can be used in serological diagnostics and for identification. These antigens are

especially useful for identifying bacteria within the following taxa: *Escherichia coli*, *Klebsiella* spp., *Salmonella* spp. and *Shigella* spp. The following three main types of antigens have been defined:

Somatic antigens (= O antigens or cell wall antigens). These antigens consist of different oligosaccharides in the heat-stable part of the cell wall and are also called lipopolysaccharide (= LPS). There are more than 60 different O antigens in *Salmonella* spp.

Surface antigen (= K antigens). These antigens are heat sensitive and consist of the capsular polysaccharides, which thus surround the cell wall and may cover O antigens. The Vi antigen is present in a few serovars.

Flagell antigen (= H antigens). These antigens, which consist of proteins and are heat sensitive, are only found in flagella of motile members of the Enterobacteriaceae family. Motile *Salmonella* types produce two types of H antigen (termed phase 1 or phase 2 antigen).

Keywords

Salmonella; *Salmonella* O Antigen; *Salmonella* Somatic Antigen; *Salmonella* O; *Salmonella* O:4
