



Anti-*L. monocytogenes* Polyclonal antibody (DPAB1425)

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

PRODUCT INFORMATION

Specificity	Recognizes whole cells. Antiserum is not absorbed and may react with other related microorganisms. Cross-reacts with Group A Streptococcus, Group B Streptococcus, <i>S. pneumoniae</i> , <i>Staph aureus</i> , <i>clostridium perfringens</i> and <i>Bacillus subtilis</i> .
Target	<i>L. monocytogenes</i>
Immunogen	<i>Listeria monocytogenes</i> , ATCC #43251
Source/Host	Rabbit
Species Reactivity	<i>L. monocytogenes</i>
Purification	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	FITC
Applications	Suitable for use in ELISA. Each 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.
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 under subdued light. Long term, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

BACKGROUND

Introduction

Listeria monocytogenes, a facultative anaerobe, intracellular bacterium, is the causative agent of listeriosis. It is one of the most virulent foodborne pathogens, with 20 to 30 percent of clinical infections resulting in death. Responsible for approximately 2,500 illnesses and 500 deaths in the United States (U.S.) annually, listeriosis is the leading cause of death among foodborne bacterial pathogens, with fatality rates exceeding even *Salmonella* and *Clostridium botulinum*.

Keywords

L. monocytogenes; Firmicutes; Bacilli; Bacillales; Listeriaceae; *Listeria*; *Listeria monocytogenes*
