



## Anti-L. monocytogenes Polyclonal antibody (DPAB1424)

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

### PRODUCT INFORMATION

<b>Specificity</b>	Recognizes whole cells. Antiserum is not absorbed and may react with other related microorganisms. Cross-reacts with Group A Streptococcus, Group B Streptococcus, S. pneumoniae, Staph aureus, clostridium perfringens and Bacillus subtilis.
<b>Target</b>	L. monocytogenes
<b>Immunogen</b>	Listeria monocytogenes, ATCC #43251
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	L. monocytogenes
<b>Purification</b>	IgG fraction covalently coupled with the N-Hydroxysuccinimide ester of biotin under mild conditions to give a high degree of substitution.
<b>Conjugate</b>	Biotin
<b>Applications</b>	Suitable for use with avidin and streptavidin amplification systems for 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.
<b>Concentration</b>	4-5mg/ml (OD280nm, E0.1%=1.4)
<b>Size</b>	1 ml
<b>Buffer</b>	0.01M PBS, pH 7.2 This product contains no stabilizing proteins.
<b>Preservative</b>	0.1% Sodium Azide
<b>Storage</b>	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**

*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*