

Polyclonal Antibody to *Listeria monocytogenes* - FITC

Catalog No.:	BP1047F
Quantity:	1 ml
Concentration:	4-5 mg/ml (OD280 nm, E0.1% = 1.4)
Background:	<p>The genus <i>Listeria</i> comprises six species: <i>L. monocytogenes</i>, <i>L. innocua</i>, <i>L. welshimeri</i>, <i>L. seeligeri</i>, <i>L. ivanovii</i> and <i>L. grayi</i>. <i>Listeria monocytogenes</i>, the most commonly isolated pathogenic member, is associated with a wide spectrum of human and animal diseases. In the smear from the original tissue, <i>L. monocytogenes</i> may appear as gram-positive coccobacilli that may be confused with <i>Streptococcus agalactiae</i> (group B), enterococci, or <i>Corynebacterium</i> spp. <i>Listeria</i> is differentiated from streptococci by a positive catalase test. <i>L. monocytogenes</i> is the only species of the genus <i>Listeria</i> that has been clearly documented as a pathogen for humans. The forms of disease caused by this organism are myriad and age-related. The most common clinical manifestations are meningitis and septicemia. <i>Listeria monocytogenes</i>, a food-borne intracellular animal and human pathogen, interacts with infected host cells both prior to entry and during the intracellular phase of infection.</p>
Host:	Rabbit
Immunogen:	<i>Listeria monocytogenes</i> ; ATCC strain #43251
Format:	<p>State: Liquid purified IgG fraction. Buffer System: 0.01M PBS pH 7.2 with 0.09% Sodium Azide as preservative and 10 mg/ml BSA as stabilizer. Label: FITC – Purified IgG fraction 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</p>
Applications:	<p>Immunofluorescence and ELISA. Enzyme amplification following reaction with FITC conjugate can also be accomplished utilizing enzyme-antibody conjugates specific to FITC. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Specificity:	<p>Recognizes whole cells. This antiserum has not been absorbed and may react with related microorganisms. Cross reacts with Group A <i>Streptococcus</i>, Group B <i>Streptococcus</i>, <i>S. pneumoniae</i>, <i>Staph aureus</i>, <i>clostridium perfringens</i> and <i>Bacillus subtilis</i>.</p>
Storage:	<p>Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.</p>

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com