

Product datasheet for **BP1047HRP**

Listeria monocytogenes Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	Immunohistochemistry on Frozen Sections: 1/20-1/200. Western blot: 1/20-1/200. ELISA: > 1/1000.
Reactivity:	Listeria monocytogenes
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Listeria monocytogenes; ATCC strain #43251
Specificity:	Recognizes whole cells. This antiserum has not been absorbed and may react with related microorganisms. Crossreacts with Group A Streptococcus, Group B Streptococcus, S. pneumoniae, Staph aureus, clostridium perfringens and Bacillus subtilis.
Formulation:	PBS with 0.002% Thimerosal as preservative and 10 mg/ml BSA as stabilizer. Label: HRP State: Liquid purified Ig fraction. Label: Highly purified preparation of Horseradish Peroxidase (RZ>3). Care is taken to ensure adequate conjugation while preserving maximum enzyme activity. Free enzyme is removed Molar ratio: HRP:IgG substitution is 2-3.
Concentration:	lot specific
Conjugation:	HRP
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Background:

The genus *Listeria* comprises six species: *L. monocytogenes*, *L. innocua*, *L. welshimeri*, *L. seeligeri*, *L. ivanovii* and *L. grayi*. *Listeria monocytogenes*, the most commonly isolated pathogenic member, is associated with a wide spectrum of human and animal diseases. In the smear from the original tissue, *L. monocytogenes* may appear as gram-positive coccobacilli that may be confused with *Streptococcus agalactiae* (group B), enterococci, or *Corynebacterium* spp. *Listeria* is differentiated from streptococci by a positive catalase test. *L. monocytogenes* is the only species of the genus *Listeria* 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. *Listeria monocytogenes*, a food-borne intracellular animal and human pathogen, interacts with infected host cells both prior to entry and during the intracellular phase of infection.