

Anti-*Listeria monocytogenes* serovar 1/2a IAP Monoclonal Antibody

Catalog No. LM-IAP-025

Product Description

The Anti-*Listeria monocytogenes* serovar 1/2a IAP Monoclonal Antibody (Clone 1A25) is a mouse IgG1 monoclonal antibody that specifically recognizes the Invasion-Associated Protein p60 (IAP) of *Listeria monocytogenes* serovar 1/2a. IAP (also known as p60, lmo0582, or probable endopeptidase p60) is a major virulence-associated cell wall hydrolase essential for bacterial adhesion, invasion, and intracellular spread.

Clone 1A25 was generated using recombinant IAP expressed in *E. coli* and is validated for ELISA, Western blotting (WB), and immunohistochemistry (IHC).

Key Features

- High specificity for *Listeria monocytogenes* serovar 1/2a IAP/p60
- Validated for **ELISA, WB, and IHC**
- Protein A/G-purified for high purity
- Stable glycerol-based formulation for long-term storage

Product Specifications

Catalog Number	LM-IAP-025
Clonality	Monoclonal
Isotype	IgG1
Target Antigen	IAP (p60, lmo0582), Invasion-Associated Protein p60
Species Reactivity	<i>Listeria monocytogenes</i> serovar 1/2a
Immunogen	Recombinant IAP protein expressed in <i>E. coli</i>
Purification	Protein A/G affinity chromatography
Buffer	0.01 M PBS, pH 7.4, 50% glycerol, 0.05% Proclin 300
Concentration	Lot-specific
Applications	ELISA, IHC, WB
Quantity	100 µg



Recommended Applications

Western Blot (WB)

- Detects recombinant or native IAP/p60
- Suggested dilution: 1:1,000 – 1:5,000

ELISA

- Suitable for antigen-capture or detection
- Suggested concentration: 0.5–2 µg/mL

Immunohistochemistry (IHC)

- Detects *Listeria* antigens in infected tissues
- Suggested dilution: 1:200 – 1:1,000
- Heat-induced antigen retrieval may improve staining

Optimal dilutions should be determined experimentally.

Storage & Stability

- 2–8°C for short-term use (≤1 month)
- –20°C to –80°C for long-term storage (≤12 months)
- Avoid repeated freeze–thaw cycles
- Use a manual-defrost freezer for best stability