



# ANTI YERSINIA PESTIS MOUSE MONOCLONAL ANTIBODY

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<b>Host</b>	Mouse
<b>Applications</b>	Lateral Flow, ELISA
<b>Isotype</b>	IgG <sub>1</sub>
<b>Immunogen Strain</b>	Java 9

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## About Yersinia pestis



Yersinia pestis is a Gram-negative, rod-shaped coccobacillus, a facultative anaerobic organism that can infect humans via the oriental rat flea. It causes the deadly disease called Bubonic Plague.

In the 1950s and 1960s, the U.S. and Soviet biological weapons programs developed techniques to directly aerosolize plague particles. This technique would lead to pneumonic plague, an otherwise uncommon, highly lethal and potentially contagious form of plague.

Aerosolized pneumonic plague remains one of the most deadly biological weapons agents due to universal susceptibility to the disease, high morbidity and mortality induced by the disease, and quick person-to-person transmission of the pneumonic form of disease.

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<b>Available antibodies</b>	BBI190
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<b>Antigens Detected</b>	Yersinia pestis strains grown at 28°C and 35°C.
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<b>Yersinia pestis Antibody origin</b>	The Hybridoma cell line secreting this monoclonal antibody was generated at Dstl Porton Down (A UK Government Agency: Defence, Science and Technology Laboratory). This monoclonal antibody is manufactured and sold under licence from Ploughshare Innovations Ltd on behalf of the Secretary of State for Defence.
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To find out more visit [www.bbidetection.com](http://www.bbidetection.com)

## Characterisation

### SDS PAGE Analysis

#### Fig 1. Non Reduced Gel (G887)

Lane 1 Bio-Rad  
Kaleidoscope Lot:  
350002799

Lane 2 IgG Standard

Lane 8 BBI190

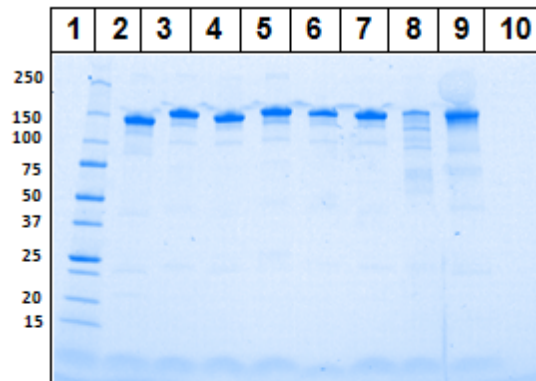


Fig 1.

#### Fig 2. Reduced Gel (G888)

Lane 1 Bio-Rad  
Kaleidoscope Lot:  
350002799

Lane 2 IgG Standard

Lane 8 BBI190

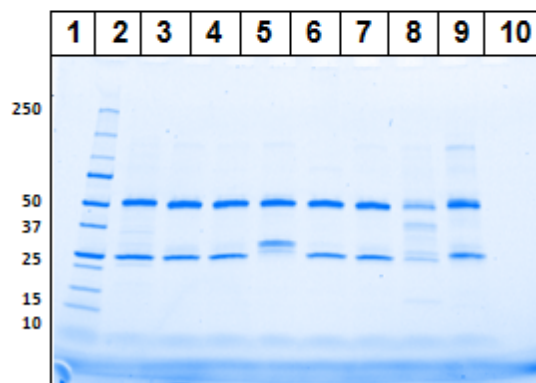


Fig 2.

## Why BBI Detection?

BBI Detection's antibody manufacturing team, based at Porton Down, can supply an extensive selection of antibodies for the detection of biothreat agents and explosives. A number of these antibodies are sold under licence from the UK Secretary of State for Defence.

**Certificates of analysis are available, please contact us for further information:**

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