



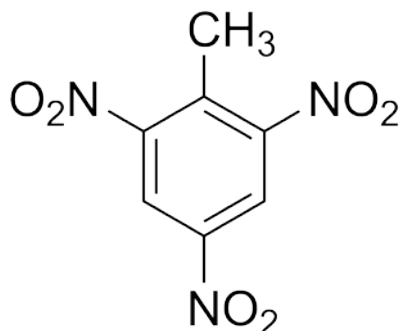
# ANTI-TNT (TRINITROTOLUENE) MOUSE MONOCLONAL ANTIBODY

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<b>Host</b>	Mouse
<b>Applications</b>	Lateral Flow, ELISA
<b>Isotype</b>	IgG1
<b>Immunogen</b>	TNT

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## About Trinitrotoluene (TNT)



**Trinitrotoluene (TNT), or 2,4,6-trinitrotoluene,** is a chemical compound with the formula C<sub>6</sub>H<sub>2</sub>(NO<sub>2</sub>)<sub>3</sub>CH<sub>3</sub>. It is a chemical with numerous uses, predominantly as an explosive material. First prepared in 1863, it was originally used as a yellow dye, and it was not until some 30 years later in 1891 when the explosive application was discovered. It is very stable and has a low sensitivity to friction and shock, leading to a reduced risk of accidental explosions when compared to similar explosives such as nitro-glycerine. When used as an explosive it is often mixed with other chemicals in an explosive blend comprising a varying percentage of TNT.

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<b>Available antibodies</b>	EW75C
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<b>Antigens detected</b>	Trinitrotoluene (TNT)
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<b>Trinitrotoluene 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

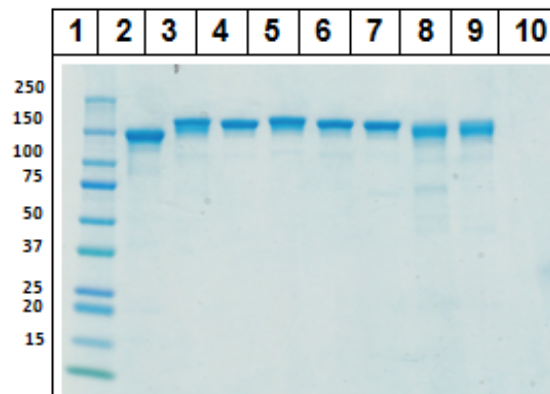
### SDS PAGE Analysis

**Fig 1. Non Reduced Gel**

Lane 1 Bio-Rad Kaleidoscope Lot: 350001996

Lane 2 IgG Standard

Lane 9 EW75C



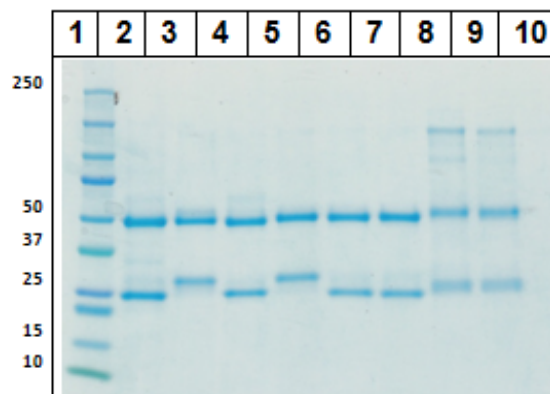
**Fig 1.**

**Fig 2. Reduced Gel**

Lane 1 Bio-Rad Kaleidoscope Lot: 350001996

Lane 2 IgG Standard

Lane 9 EW75C



**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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