

## Product datasheet

# Anti-Bacillus anthracis protective antigen antibody [BAP0104] ab1991

### Overview

<b>Product name</b>	Anti-Bacillus anthracis protective antigen antibody [BAP0104]
<b>Description</b>	Mouse monoclonal [BAP0104] to Bacillus anthracis protective antigen
<b>Specificity</b>	This antibody is not cross-reacting with lethal factor antigen of B. anthracis, Y.Pestis, F. Tularensis, and Toxoplasma gondii.
<b>Tested applications</b>	<b>Suitable for:</b> ELISA
<b>Immunogen</b>	Highly purified protective antigen of Bacillus anthracis.
<b>General notes</b>	Concentration varies from lot to lot and can be provided on request.

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C. Do Not Freeze.
<b>Storage buffer</b>	Preservative: 0.1% Sodium Azide Constituents: PBS, pH 7.4
<b>Purity</b>	Protein G purified
<b>Purification notes</b>	Purity is tested by electrophoresis.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	BAP0104
<b>Myeloma</b>	Sp2/0
<b>Isotype</b>	IgG2b

### Applications

Our [Abpromise guarantee](#) covers the use of **ab1991** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		Use at an assay dependent dilution.

## Target

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<b>Relevance</b>	Anthrax toxins are composed of three distinct proteins, a protective antigen (PA), a lethal factor (LF) and an edema factor (EF). None of these proteins are toxic by themselves and several studies indicate that the anthrax toxin has the familiar A-B enzymatic binding structure, with PA acting as the binding domain and EF and/or LF acting as the active fragments.
<b>Cellular localization</b>	Secreted

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