

## Product datasheet

# Anti-Bordetella pertussis toxin/ptxD antibody [47.1] ab37687

## 1 References

### Overview

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<b>Product name</b>	Anti-Bordetella pertussis toxin/ptxD antibody [47.1]
<b>Description</b>	Mouse monoclonal [47.1] to Bordetella pertussis toxin/ptxD
<b>Host species</b>	Mouse
<b>Specificity</b>	Ab37687 reacts with different epitope than <a href="#">ab37574</a> , <a href="#">ab37684</a> and <a href="#">ab37686</a> .
<b>Tested applications</b>	<b>Suitable for:</b> ELISA, WB, Neutralising
<b>Species reactivity</b>	<b>Reacts with:</b> Bordetella pertussis
<b>Immunogen</b>	<i>Bordetella pertussis</i> toxin
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C.
<b>Storage buffer</b>	pH: 7.40 Constituents: 2.9% Sodium chloride, 0.0268% PBS
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	47.1
<b>Myeloma</b>	x63-Ag8.653
<b>Isotype</b>	IgG1
<b>Light chain type</b>	kappa

## Applications

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**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab37687 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.
WB		Use at an assay dependent dilution. Detects a band of approximately 23 kDa.
Neutralising		Use at an assay dependent dilution.

## Target

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**Relevance** Pertussis toxin contains five different chains, S1-S5. They are organized into 2 functional subunits: A, composed of S1 (which is toxic) and B, containing S2, S3, S5, and two copies of S4 (B binds to the membrane receptors). Dimers of S2-S4 and S3-S4 are held together by S5

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
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If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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