

# Anti-Chlamydia trachomatis LPS antibody [1312/236] ab54377

### Overview

---

<b>Product name</b>	Anti-Chlamydia trachomatis LPS antibody [1312/236]
<b>Description</b>	Mouse monoclonal [1312/236] to Chlamydia trachomatis LPS
<b>Host species</b>	Mouse
<b>Specificity</b>	In a simple ELISA this antibody is reactive with 15 serovars of <i>C. trachomatis</i> .
<b>Tested applications</b>	<b>Suitable for:</b> WB, ELISA
<b>Species reactivity</b>	<b>Reacts with:</b> Chlamydia trachomatis
<b>Immunogen</b>	Tissue, cells or virus corresponding to Chlamydia trachomatis LPS.
<b>Epitope</b>	The epitope has been shown by Western blotting to be present in LPS.
<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

---

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.09% Sodium azide Constituent: PBS
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	1312/236
<b>Isotype</b>	IgG1

### Applications

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab54377 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
WB		Use at an assay dependent dilution. Predicted molecular weight: 1 kDa.
ELISA		Use at an assay dependent dilution.

## Target

### Relevance

LPS is a major component of the cell membrane of Gram negative bacteria, contributing greatly to the structural integrity of the bacteria, and protecting the membrane from certain kinds of chemical attack. LPS is an endotoxin, inducing a strong response from normal animal immune systems. LPS function has been under experimental research for several years due to its role in activating many transcriptional factors, which become active after stimulation with LPS. LPS also induces many types of mediators involved in septic shock. Chlamydia trachomatis is an intracellular organism. It has a genome size of approximately 500-1000kB and contains both RNA and DNA. Colonization of Chlamydia begins with attachment to sialic acid receptors on the eye, throat or genitalia. It persists at body sites that are inaccessible to phagocytes, T-cells, and B-cells. It also exists as 15 different serotypes. These serotypes cause four major diseases in humans: endemic trachoma (caused by serotypes A and C), sexually transmitted disease and inclusion conjunctivitis (caused by serotypes D and K), and lymphogranuloma venereum (caused by serotypes L1, L2, and L3). Studies reveal that Chlamydia, because of its cell wall, is able to inhibit phagolysosome fusion in phagocytes. The cell wall is proposed to be gram-negative in that it contains an outer lipopolysaccharide (LPS) membrane, but it lacks peptidoglycan in its cell wall.

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

## Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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.

## Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors