

Product datasheet

Anti-Salmonella typhimurium LPS antibody [1E6] ab8274

★★★★★ [2 Abreviews](#) [26 References](#) [2 Images](#)

Overview

Product name	Anti-Salmonella typhimurium LPS antibody [1E6]
Description	Mouse monoclonal [1E6] to Salmonella typhimurium LPS
Host species	Mouse
Specificity	This antibody is directed against lipopolisaccharides of <i>Salmonella typhimurium</i>
Tested applications	Suitable for: WB, Flow Cyt, Dot blot, ELISA, ICC/IF, Electron Microscopy
Species reactivity	Reacts with: Salmonella typhimurium
Immunogen	Full length native protein (purified) corresponding to Salmonella typhimurium Salmonella typhimurium LPS. Lipopolysaccharides of Salmonella typhimurium
General notes	<p>This antibody is used for the detection of LPS of <i>Salmonella typhimurium</i>.</p> <p>This product was changed from ascites to tissue culture supernatant on 16th July 2018. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</p> <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&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.40 Preservative: 0.1% Sodium azide
Purity	Protein A purified
Primary antibody notes	This antibody is used for the detection of LPS of <i>Salmonella typhimurium</i>
Clonality	Monoclonal

Clone number	1E6
Myeloma	Sp2/0
Isotype	IgG1
Light chain type	unknown

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab8274 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

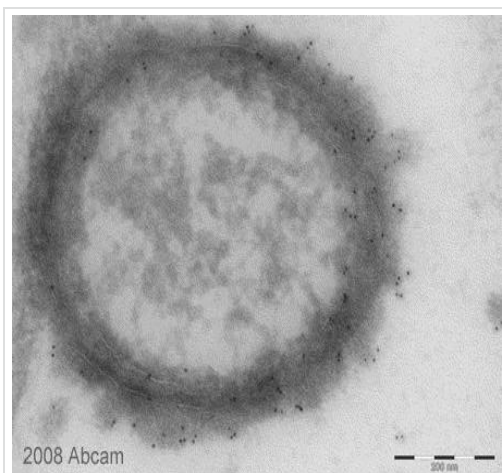
Application	Abreviews	Notes
WB	★★★★★ (1)	Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. PubMed: 17442963 ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
Dot blot		Use at an assay dependent concentration.
ELISA		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.
Electron Microscopy		Use at an assay dependent concentration.

Target

Relevance

Salmonellae are Gram-negative , facultatively anaerobic bacteria of the family Enterobacteriaceae, made up of nonspore-forming rods, usually motile with flagella. Salmonella enterica serovar Typhimurium is the among the most common Salmonella serovars causing Salmonellosis food poisoning. S. typhimurium has a less alarming public image than S.typhi (which causes typhoid), but is a bigger health problem worldwide. Salmonellae possess 3 major antigens; the "H" or flagellar antigen (phase 1 & 2), the "O" or somatic antigen (part of the LPS moiety) and the "Vi" or capsular antigen (referred to as "K" in other Enterobacteriaceae). Salmonellae also possess the LPS endotoxin characteristic of Gram-negative bacteria. This LPS is composed of an "O" polysaccharide ("O" antigen) an "R" core and the endotoxic inner "Lipid A". Endotoxins evoke fever and can activate complement, kinin and clotting factors.

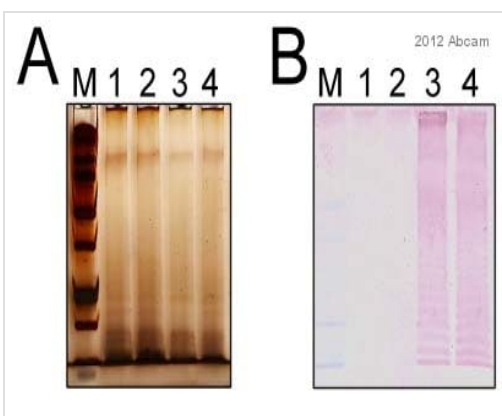
Images



Electron Microscopy - Anti-Salmonella typhimurium
LPS antibody [1E6] (ab8274)

This image is courtesy of an anonymous Abreview

Electron microscopy image of ultrathin cryosections of *Salmonella paratyphi* using ab8274 (1/100). For further experimental details please refer to abreview.



Western blot - Anti-Salmonella typhimurium LPS
antibody [1E6] (ab8274)

Image courtesy of Aaron White by Abreview.

All lanes : Anti-Salmonella typhimurium LPS antibody [1E6]
(ab8274) at 1/1000 dilution

Lane 1 : Whole cell polysaccharides from *S. Enteritidis* 27655-3b

Lane 2 : Whole cell polysaccharides from *S. Enteritidis* Sal8

Lane 3 : Whole cell polysaccharides from *S. Typhimurium* ATCC
14028s

Lane 4 : Whole cell polysaccharides from *S. Typhimurium* SL1344

Lysates/proteins at 100000000 cells per lane.

Secondary

All lanes : AP conjugated goat anti-mouse polyclonal at 1/4000
dilution

Gels were (A) silver-stained or (B) Western blotted using the Anti-Salmonella typhimurium 0-4 antibody [1E6] (ab8274) as the primary antibody. Although equal amounts of cellular material were detected by silver staining, only the *S. Typhimurium* samples were recognized by the 1E6 antibody on the corresponding Western blot.

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