abcam

Product datasheet

Anti-Lipid A antibody [26-5] ab8467

5 References

Overview

Product name	Anti-Lipid A antibody [26-5]
Description	Mouse monoclonal [26-5] to Lipid A
Host species	Mouse
Tested applications	**Suitable for:** Agglutination, ELISA
Species reactivity	**Reacts with:** Species independent
Immunogen	Other Immunogen Type corresponding to Lipid A. Synthetic Lipid A.
General notes	Lipid A is part of LPS (lipopolysaccaride) present in gram-negative bacteria. 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. 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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.1% BSA, 99.88% PBS
Purity	IgG fraction
Purification notes	This product is sterile filtered.
Primary antibody notes	Lipid A is part of LPS (lipopolysaccaride) present in gram-negative bacteria.
Clonality	Monoclonal
Clone number	26-5
Myeloma	unknown
Isotype	IgG2b

Light chain type unknown

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab8467 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
Agglutination		Use at an assay dependent concentration. Use NEAT.
ELISA		1/10. in phosphate buffered saline containing 4% BSA and 0.05% Tween.For ELISA prepare bacteria suspension in PBS (5x10^8 bact./ml). Coat ELISA plate with 100 µl/well for 1 h. at 37°C, store overnight at 4°C and wash 5x with tapwater with 0.05% Tween (TT). Incubate with diluted antibody, 1 h. at 37°C. Wash 5x with TT. Incubate with appropriate conjugate (anti-mouse Ig enzyme

Target

Relevance Lipid A is a lipid component of an endotoxin held responsible for toxicity of Gram-negative bacteria. Sensing of lipid A by the human immune system may also be critical for the onset of immune responses to Gram-negative infection, and for the subsequent successful fight against the infection. Lipid A is located at one end of the lipopolysaccharide (LPS, also called endotoxin) molecule, and anchors the LPS to the outer membrane of a Gram-negative bacteria. Many of the immune activating abilities of LPS can be contributed to the lipid A unit. It is a very potent stimulant of the immune system, activating cells (for example, monocytes or macrophages) at picogram per milliliter quantities. When present in the body at high concentrations during a Gram-negative bacterial infection, it may cause shock and death by an "out of control" excessive immune reaction.

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