

Mouse Clostridium difficile Monoclonal Antibody

Mouse monoclonal Clostridium difficile antibody (GDH specific)

CATALOG # AAA224623	HOST Mouse	APPLICATIONS ELISA, Lateral Flow
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PRODUCT SYNONYMS

Clostridium difficile; Monoclonal Antibody; Mouse monoclonal Clostridium difficile antibody (GDH specific); Monoclonal Clostridium difficile antibody; Anti Clostridium difficile antibody; C. difficile antibody; Glutamate dehydrogenase antibody; Clostridium difficile GDH antibody; Clostridium difficile Glutamate dehydrogenase antibody; anti-Clostridium difficile antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	M86698
Specificity	Clostridium difficile glutamate dehydrogenase
Purity/Purification	> 90% pure
Form/Format	Purified antibody supplied as a liquid in PBS, pH 7.4, with 0.09% NaN ₃ .
Applicable Applications for anti-Clostridium difficile antibody	ELISA, LF (Lateral Flow)
Biohazard Information	This product contains sodium azide as preservative. This substance is poisonous and hazardous and it should be handled in accordance with GLP.
Product Use	Clostridium difficile antibody for detection of glutamate dehydrogenase as solid phase or conjugate antibody in sandwich immunoassays.
Biological Significance	Clostridia are anaerobic motile bacteria, ubiquitous in nature, and especially prevalent in soil. Under the microscope, they appear as long, irregular (often drumstick- or spindle-shaped) cells with a bulge at their terminal ends. All Clostridium difficile strains appear to produce the cell wall-associated enzyme glutamate dehydrogenase antigen (GDH). GDH appears to be highly conserved among C. difficile ribotypes and most likely independent from PaLoc structure. GDH detection is a high sensitivity test for the presence of Clostridium difficile, after which it should be confirmed by detection of the bacteria itself.
Implications in Disease	Clostridium difficile colitis or pseudomembranous colitis is colitis resulting from infection with Clostridium difficile. C. difficile infection can range from mild to life-threatening. Symptoms of mild cases include watery diarrhea, with abdominal pain or tenderness.
Cross-Reactivity	No cross reactivity with Campylobacter spp., Escherichia coli, H.pylori, Listeria monocytogenes, Salmonella spp., Shigella spp., Staphylococcus aureus, Yersinia enterocolitica
Preparation and Storage	Store at 4°C.

ADDITIONAL INFORMATION

Product Categories/Family for anti-Clostridium difficile antibody	Infectious Disease
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/clostridium-difficile-antibody-clone-m86698-lateral-flow-elisa/224623>