

12-8334: Anti-Clostridium difficile, GDH (CDIF-6581)

Clonality :	Monoclonal
Clone Name :	CDIF-6581
Application :	ELISA
Alternative Name :	GDH, glutamate dehydrogenase,?C. diff, C. difficile
Isotype :	Mouse IgG2a

Description

Background: Clostridium difficile, often referred to as C. diff, is an anaerobic, Gram-positive bacterium that can cause a range of gastrointestinal issues in humans. Infections with C. difficile are primarily associated with healthcare settings such as hospitals and long-term care facilities where patients come into contact with infected individuals or contaminated surfaces¹. C. diff infections (CDIs) typically occur following the disruption of the normal gut microbiota, often due to antibiotics, which allow the bacteria to proliferate and produce toxins². Glutamate dehydrogenase (GDH) is an enzyme produced by C. difficile which is responsible for conversion of glutamate to alpha-ketoglutarate. GDH detection in the stool is often used as a rapid screening tool to suggest possible presence of C. diff. Further testing for the bacterial toxins is typically performed upon a positive GDH test.

Product Info

Amount :	250µg
Purification :	Purity: >=90% Preparation: This monoclonal antibody is purified by protein A chromatography or sequential differential precipitations. Concentration: >=1.0 mg/ml
Content :	Formulation: Formulated in 0.01 M phosphate buffered saline, pH 7.2 and contains 0.1% sodium azide. Due to inherent biochemical properties of antibodies, certain products may be prone to precipitation over time. Precipitation may be removed by aseptic centrifugation and/or filtration.
Storage condition :	This purified antibody is stable when stored at 2-8°C.?Do not freeze.

Application Note

ELISA: 1:20-1:200