

## 12-8333: Anti-Clostridium difficile, GDH (CDIF-0294)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	CDIF-0294
<b>Application :</b>	ELISA
<b>Alternative Name :</b>	GDH, glutamate dehydrogenase,?C. diff, C. difficile
<b>Isotype :</b>	Mouse IgG1

### 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 surfaces<sup>1</sup>. 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 toxins<sup>2</sup>. 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

<b>Amount :</b>	250µg
<b>Purification :</b>	Purity: >=90% Preparation: This monoclonal antibody is purified by protein A chromatography or sequential differential precipitations. Concentration: >=1.0 mg/ml
<b>Content :</b>	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.
<b>Storage condition :</b>	This purified antibody is stable when stored at 2-8°C.?Do not freeze.

### Application Note

ELISA: 1:20-1:200