



Magic™ Anti-Clostridia Glucose Dehydrogenase Monoclonal antibody, Clone C2520N (DCAB-TJ089)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Specific for glutamate dehydrogenase of Clostridia species. Reactive with recombinant GDH and native GDH from <i>C. difficile</i> cultures.
Target	Clostridia Glucose Dehydrogenase
Immunogen	Recombinant <i>C. difficile</i> GDH.
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Clostridia
Clone	C2520N
Purification	> 90% pure. Protein A Chromatography
Conjugate	Unconjugated
Applications	Suitable for use in ELISA. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded. Recommended pair for sandwich Suggested pair for testing (Capture - Detection): DCAB-TJ087 - DCAB-TJ089
Format	Purified, Liquid
Concentration	100 µg/mL (OD280 nm, E0.1% = 1.3)

Size	100 µg
Buffer	0.01 M PBS, pH 7.2 This product contains no stabilizing proteins.
Preservative	0.1% Sodium Azide
Storage	Upon receipt, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

BACKGROUND

Introduction	The Clostridia are a highly polyphyletic class of Firmicutes, including Clostridium and other similar genera. They are distinguished from the Bacilli by lacking aerobic respiration. They are obligate anaerobes and oxygen is toxic to them. Species of the genus Clostridium are all Gram-positive and have the ability to form spores. Studies show they are not a monophyletic group, and their relationships are not entirely certain. Currently most are placed in a single order called Clostridiales, but this is not a natural group and is likely to be redefined in the future.
Keywords	Clostridia GDH; Clostridia Species Glutamate Dehydrogenase; Glutamate Dehydrogenase; GDH