

Anti-*C. difficile* GDH 11001 SPTN-5

Product overview

Catalog number	100714
Specificity	Antibody recognizes <i>Clostridium difficile</i> glutamate dehydrogenase
Description	Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components.
Product buffer solution	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN ₃ as a preservative
Shelf life and storage	18 months from manufacturing at 2–8 °C
Subclass	IgG ₁
Analyte description	<i>Clostridium difficile</i> is an anaerobic Gram-positive bacterium that can cause hospital-acquired diarrhea and is often associated with previous antibiotic use. Immunoassays detecting the <i>C. difficile</i> proteins glutamate dehydrogenase (GDH), and toxins A and B, are used to diagnose <i>C. difficile</i> infection.

Parameters tested on each lot

Product appearance	Liquid, may turn slightly opaque during storage
Product concentration	5.0 mg/ml (+/- 10 %)
Immunoreactivity	80–120 % compared to the reference sample in an FIA test
IEF Profile	7.0–7.8
Purity	≥ 95 %

Kinetic parameters

Association rate constant	Not Determined (N/D)
Dissociation rate constant	N/D
Affinity constant	N/D
Determination method	-
Determination antigen	-



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Cross-reactivities N/D

Epitope N/D

Pair recommendations CAPTURE ANTIBODY 11001 DETECTION ANTIBODY 11001

Please note that pair recommendations are based on results obtained by our laboratory. Equally good results may be obtained using other pairs and therefore these recommendations are only indicative.

Platforms tested FIA

Antigens tested Recombinant *C. difficile* GDH antigen, Medix Biochemica 610121.

TEMPERATURE, TIME	RESULT
-70 °C, 21 days	OK
-20 °C, 21 days	OK
+4 °C, 21 days	OK
+35 °C, 21 days	OK
+45 °C, 3 days	OK
+45 °C, 7 days	Reduced immunoreactivity

Stability testing is performed in the product buffer to see whether different temperatures affect the antigen binding, charge or composition of the antibody. Please note that the shelf life given on the first page is based on real time stability testing at 2–8 °C in the product buffer.

Miscellaneous -

References -



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