Medix Biochemica

Product specification
ANTIBODY
2023-06-02

Anti-H. pylori 7105 SPTN-5

Product overview

Catalog number	100713
Specificity	Antibody recognizes *Helicobacter pylori*
Description	Monoclonal mouse antibody, cultured *in vitro* 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	36 months from manufacturing at 2–8 °C
Subclass	IgG_1
Analyte description	*Helicobacter pylori* is a Gram-negative bacterium commonly found in the stomach. *H. pylori* infection increases the risk of developing peptic ulcers and gastric cancers and can be diagnosed with serological blood tests, breath tests and stool antigen tests.

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	6.1–6.6
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	DETECTION ANTIBODY
7105	7105

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 H. pylori OMP, Medix Biochemica, 610140.

Product stability

TEMPERATURE, TIME	RESULT
-70 °C, 21 days	OK
-20 °C, 21 days	OK
+4 °C, 21 days	OK
+35 °C, 7 days	OK
+35 °C, 21 days	Minor charge alterations
+45 °C, 3 days	OK
+45 °C, 7 days	Minor charge alterations

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

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References

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