Medix Biochemica

Product specification
ANTIBODY
2026-03-28

Anti-SARS-CoV-2 N 3510 SPTN-5

Product overview

Catalog number	100952
Specificity	Antibody recognizes SARS-CoV-2 nucleocapsid protein
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	Unspecified, storage at 2–8 °C
Subclass	Mouse IgG_1
Analyte description	Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) is an enveloped, positive stranded RNA virus. SARS-CoV-2 causes respiratory illness called COVID-19.

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	2.8×10^5 1/Ms
Dissociation rate constant	2.2×10^{-5} 1/s
Affinity constant	$K_A = 1.3 \times 10^{10}$ 1/M; $K_D = 8.6 \times 10^{-11}$ M (= 0.09 nM)
Determination method	BLI (Octet RED96e)
Determination antigen	Recombinant SARS-CoV-2 N, Medix Biochemica (Cat 710082)

Oy Medix Biochemica Ab
Klovinpellontie 3,
FI-02180 Espoo, Finland

medix@medixbiochemica.com
www.medixbiochemica.com
VAT reg. no. FI14631532

Legal disclaimer
Medix Biochemica products meet their specifications if transported, stored, and used according to the instructions. Medix Biochemica's products may not be used or reproduced without Medix Biochemica's written permission.

Cross-reactivities

Recognizes SARS-CoV-2 B.1.1.7, B.1.617.2 and B.1.1.529 variants and B.1.1.529 sublineages BA.2, BA.4 and BA.5.
Does not recognize SARS-CoV N, MERS-CoV N, HCoV OC43 N, HCoV 229E N, HCoV HKU1 N or HCoV NL63 N.

Epitope

Not Determined (N/D)

Pair recommendations

		DETECTION				
		3507	3508	3510	3511	3512
CAPTURE	3507	-	+	+	+	+
	3508	+	-	+	-	+
	3510	+	+	-	+	-
	3511	+	-	+	-	+
	3512	+	+	-	+	-

The pair recommendations are based on antibodies binding to different epitopes. As nucleoprotein is abundant in the virus, all antibodies pair with themselves and each other.

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

N/D

Product stability

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, 7 days	OK

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

-

Oy Medix Biochemica Ab
Klovinpellontie 3,
FI-02180 Espoo, Finland

medix@medixbiochemica.com
www.medixbiochemica.com
VAT reg. no. FI14631532

Legal disclaimer
Medix Biochemica products meet their specifications if transported, stored, and used according to the instructions. Medix Biochemica's products may not be used or reproduced without Medix Biochemica's written permission.