Medix Biochemica

Product specification
ANTIBODY
2026-07-14

Anti-Cortisol 12901 SPTN-5

Product overview

Catalog number	100904
Specificity	Antibody recognizes cortisol
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	Mouse IgG_1
Analyte description	Cortisol is a steroid hormone produced by the adrenal glands. It is involved in many important functions of the body including regulating stress response, reducing inflammation, maintaining blood pressure, and controlling blood sugar. Cortisol is often measured together with ACTH to diagnose disorders of the pituitary or adrenal glands such as Cushing's syndrome or Addison's disease.

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	6.6–7.5
Purity	≥ 95 %

Kinetic parameters

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

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

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

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Cross-reactivities

Corticosterone	45 %
Progesterone	9 %
Deoxycortisol	< 2 %
Dexamethazone	< 2 %
Estrone (E1)	< 0.01 %
Estriol (E3)	< 0.01 %
Testosterone	< 0.01 %

Epitope

N/D

Pair recommendations

Pairs with Cortisol-3-HRP Antigen, Medix Biochemica 170053 and Cortisol-3-BSA Antigen, Medix Biochemica FV501.

Platforms tested

FIA

Antigens tested

Please see pair recommendations above.

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

This product was previously available with Catalog code P01-92-94M-P. It has been produced using the same original mouse monoclonal hybridoma cell line.

References

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