

## Anti-Cortisol 12901 SPTN-5

### Product overview

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<b>Catalog number</b>	100904
<b>Specificity</b>	Antibody recognizes cortisol
<b>Description</b>	Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components.
<b>Product buffer solution</b>	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN <sub>3</sub> as a preservative
<b>Shelf life and storage</b>	12 months from manufacturing at 2–8 °C
<b>Subclass</b>	IgG <sub>1</sub>
<b>Analyte description</b>	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

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

### Kinetic parameters

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



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<b>Cross-reactivities</b>	Corticosterone	45 %
	Progesterone	9 %
	Deoxycortisol	< 2 %
	Dexamethazone	< 2 %
	Estrone (E1)	< 0.01 %
	Estriol (E3)	< 0.01 %
	Testosterone	< 0.01 %
<b>Epitope</b>	N/D	
<b>Pair recommendations</b>	Pairs with Cortisol-3-HRP Antigen, Medix Biochemica 170053.	
<b>Platforms tested</b>	FIA	
<b>Antigens tested</b>	Please see pair recommendations above.	
<b>Product stability</b>	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.	
<b>Miscellaneous</b>	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.	
<b>References</b>	-	



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