

## Anti-h Adiponectin 1902 SPTN-5

### Product overview

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<b>Catalog number</b>	100256
<b>Specificity</b>	Antibody recognizes human adiponectin
<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>2b</sub>
<b>Analyte description</b>	Adiponectin is a protein hormone that modulates a number of metabolic processes that may lead to type 2 diabetes, obesity and atherosclerosis. It has been studied as a prognostic and diagnostic marker of diabetes and cardiovascular diseases.

### 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>	7.1–8.5
<b>Purity</b>	≥ 95 %

### Kinetic parameters

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<b>Association rate constant</b>	$3 \times 10^5$ 1/Ms
<b>Dissociation rate constant</b>	$2 \times 10^{-4}$ 1/s
<b>Affinity constant</b>	$K_A = 2 \times 10^9$ 1/M; $K_D = 6 \times 10^{-10}$ M (= 0.6 nM)
<b>Determination method</b>	SPR analysis (ProteOn XPR36)
<b>Determination antigen</b>	Recombinant human Adiponectin, BioVendor (Cat RD172029100)



#### Legal disclaimer

**Cross-reactivities** Antibody recognizes both monomeric and trimeric adiponectin, oligomeric forms not tested.

**Epitope** Not Determined (N/D)

**Pair recommendations**

		DETECTION		
		1901	1902	1903
CAPTURE	1901	-	+	+
	1902	+	-	-
	1903	+	-	-

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** N/D

**Antigens tested** Recombinant Adiponectin antigen, Medix Biochemica 710013, 710030 and 710031.

Product stability	TEMPERATURE, TIME	RESULT
	-70 °C, 21 days	OK
	-20 °C, 21 days	OK
	+4 °C, 21 days	OK
	+25 °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** -



**Legal disclaimer**