

## Anti-h cTnT 3703 SPTN-5

### Product overview

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<b>Catalog number</b>	100700
<b>Specificity</b>	Antibody recognizes human cardiac troponin T (cTnT)
<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>	Unspecified, storage at 2–8 °C
<b>Subclass</b>	IgG <sub>1</sub>
<b>Analyte description</b>	Troponins form a complex of three regulatory proteins (troponin C, I and T) that are integral to muscle contraction in skeletal and cardiac muscles. Serum cardiac troponin tests can be used to help diagnose several different heart disorders, especially myocardial infarction.

### 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>	6.9–7.4
<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>	-

**Legal disclaimer**

**Cross-reactivities** Does not recognize skeletal troponin T (sTnT) or cardiac troponin I (cTnI).

**Epitope** N/D

**Pair recommendations**

		DETECTION					
		3701	3703	3708	3710	3711	3712
CAPTURE	3701	-	-	-	-	-	-
	3703	-	-	-	+	+	+
	3708	+	+	-	+	+	+
	3710	-	+	+	-	-	-
	3711	-	+	-	-	-	-
	3712	-	+	+	-	-	-

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 cardiac troponin T antigen, Medix Biochemica 610101 and native cardiac troponin T antigen, Lee Biosolutions 550-21.

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** -

**References** -



**Legal disclaimer**