

## PRODUCT SPECIFICATIONS

<b>Name</b>	Anti-h Cystatin C 10004 SPTN-5
<b>Specificity</b>	Antibody recognizes human Cystatin C
<b>Description</b>	Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components
<b>Product code</b>	100689
<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>Analyte description</b>	Cystatin C is an emerging renal biomarker. It is used for the diagnosis of chronic kidney disease. Cystatin C has also been associated with an increased risk of cardiovascular disease and heart failure.

## PARAMETERS TESTED ON EACH LOT

<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>	5.8 - 6.6
<b>Purity</b>	≥ 95 %

## PARAMETERS DETERMINED DURING PRODUCT DEVELOPMENT

<b>Subclass</b>	IgG <sub>1</sub>
<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

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**Cross-reactivities**

No cross-reactivity against recombinant Cystatin D, F, S, SA, or SN.

**Epitope**

N/D

**Pair recommendations**

		DETECTION			
		10001	10002	10004	10005
CAPTURE	10001	-	-	+	+
	10002	-	-	+	+
	10004	+	+	-	-
	10005	+	+	-	-

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.

**Product stability**

**TEMPERATURE, TIME**

- 70 °C, 21 days
- 20 °C, 21 days
- +4 °C, 21 days
- +35 °C, 7 days
- +35 °C, 21 days
- +45 °C, 3 days
- +45 °C, 7 days

**RESULT**

- Minor charge alterations.
- OK
- OK
- OK
- Reduced antigen binding
- OK
- Reduced antigen binding

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**

Reacts with recombinant Cystatin C antigen, Medix Biochemica, 610100.

**References**

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