

Anti-h Cystatin C 10005 SPTN-5

Product overview

Catalog number	100659
Specificity	Antibody recognizes human Cystatin C
Description	Monoclonal mouse antibody, cultured <i>in vitro</i> 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	24 months from manufacturing at 2–8 °C
Subclass	IgG ₁
Analyte description	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

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	6.2–6.9
Purity	≥ 95 %

Kinetic parameters

Association rate constant	2.2×10^6 1/Ms
Dissociation rate constant	3.8×10^{-5} 1/s
Affinity constant	$K_A = 5.7 \times 10^{10}$ 1/M; $K_D = 2.0 \times 10^{-11}$ M (= 0.02 nM)
Determination method	BLI (Octet RED96e)
Determination antigen	Recombinant Cystatin C, Medix Biochemica, Cat 610100



Legal disclaimer

Cross-reactivities Does not recognize 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.

Platforms tested FIA

Antigens tested Recombinant Cystatin C antigen, Medix Biochemica, 610100.

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, 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