

Anti-h Thyroglobulin LL02201 SPTN-5

Product overview

Catalog number	C-40-0093
Specificity	Antibody recognizes human thyroglobulin
Description	Monoclonal mouse antibody, cultured in vitro 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	36 months from manufacturing at 2–8 °C
Subclass	IgG _{2b}
Analyte description	Thyroglobulin is a 660 kDa dimeric protein produced by and used entirely within the thyroid gland to produce the thyroid hormones thyroxine (T4) and triiodothyronine (T3). Thyroglobulin levels in the blood can be used as a tumor marker for certain kinds of thyroid cancer. Thyroglobulin levels in the blood can also be elevated in cases of Graves' disease.

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
IEF Profile	6.5-8.0
Purity	≥ 90%

Kinetic parameters

Association rate constant	To Be Determined (TBD)
Dissociation rate constant	TBD
Affinity constant	TBD
Determination method	-
Determination antigen	-



Cross-reactivities Not Determined (N/D)

Epitope N/D

Pair recommendations

		DETECTION			
		LL02201	LL02202	LL02203	LL02204
CAPTURE	LL02201	-	+	+	-
	LL02202	-	-	-	-
	LL02203	+	+	-	+
	LL02204	-	+	+	-

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, LF, CLIA

Antigens tested 528-11 Thyroglobulin antigen, +

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.

Miscellaneous -

References -

