

Anti-h TSH LL01902 SP-5

Product overview

Catalog number	C-40-0087
Specificity	Antibody recognizes human thyrotropin and its free beta subunit
Description	Monoclonal mouse antibody, cultured in vitro under conditions free from animal-derived components.
Product buffer solution	0.9% NaCl, 0.095% NaN ₃ as a preservative
Shelf life and storage	36 months from manufacturing at 2–8 °C
Subclass	IgG _{2a}
Analyte description	Thyroid-stimulating hormone (also known as TSH or thyrotropin) is a peptide hormone synthesized and secreted by thyrotrope cells in the anterior pituitary gland which regulates the endocrine function of the thyroid gland. TSH levels are tested in the blood of patients suspected of suffering from excess (hyperthyroidism), or deficiency (hypothyroidism) of thyroid hormone.

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	6.2-7.1
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			
		LL01901	LL01902	LL01903	LL01904
CAPTURE	LL01901	-	+	+	+
	LL01902	-	-	-	+
	LL01903	-	-	-	+
	LL01904	-	+	+	-

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 610175 Recombinant TSH antigen, +

TEMPERATURE, TIME	RESULT
-70 °C, 21 days	N/D
-20 °C, 21 days	OK
+4 °C, 21 days	OK
+35 °C, 21 days	N/D
+45 °C, 7 days	N/D

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 -

