

DISCOVER DIASOURCE MONOCLONAL ANTIBODIES FOR THYROID FUNCTION

The thyroid gland plays a vital role in regulating metabolism, growth, and energy balance by producing essential hormones. Accurate measurement of thyroid biomarkers is critical for the diagnosis and monitoring of thyroid disorders such as hypothyroidism, hyperthyroidism, thyroiditis, and thyroid cancer. The following parameters provide a comprehensive overview of thyroid function and autoimmune activity.

- **Thyroglobulin (Tg)**

Thyroglobulin is a glycoprotein produced by the thyroid gland and serves as a precursor for thyroid hormone synthesis (T3 and T4). While typically present in low levels in healthy individuals, elevated Tg can indicate thyroid cancer recurrence, especially after thyroidectomy or radioiodine therapy. It's widely used as a tumor marker in differentiated thyroid cancer follow-up and for assessing thyroid tissue remnants.

Antibodies

Cat#	Size	Type	Clone/Host	Isotype	Format	Application
5357506	1 mg	mAb	4O6 14X2	IgG	Purified Unconjugated	ELISA/RIA/CLIA
5157506	1 mg	mAb	3S3 2D3	IgG	Purified Unconjugated	ELISA/RIA/CLIA

- **Thyroid-Stimulating Hormone (TSH)**

TSH is a hormone secreted by the pituitary gland that stimulates the thyroid to produce T3 and T4. It is the primary screening marker for thyroid function. Elevated TSH suggests hypothyroidism, while suppressed levels indicate hyperthyroidism. TSH levels are also used to monitor and adjust thyroid hormone replacement therapy, making it essential for both diagnosis and ongoing management.

Antibodies

Cat#	Size	Type	Clone/Host	Isotype	Format
5118806	1 mg	Mab	103B 2/7A3 1B7*	IgG1, Kappa	Purified Unconjugated
5118817	1 mg	Mab	103B 2/7A3 1B7*	IgG1, Kappa	Purified F(ab)'2 Unconjugated
5318806	1 mg	Mab	103B 2/2B4 1A8*, **	IgG1, Kappa	Purified Unconjugated
5318817	1 mg	Mab	103B 2/2B4 1A8*, **	IgG1, Kappa	Purified F(ab)'2 Unconjugated
5318826	1 mg	Mab	103B 2/3E1 2F12*, **	IgG1, Kappa	Purified Unconjugated
5318837	1 mg	Mab	103B 2/3E1 2F12*, **	IgG1, Kappa	Purified F(ab)'2 Unconjugated

- **Triiodothyronine (T3)**

T3 is the biologically active thyroid hormone, responsible for regulating metabolism and energy usage in tissues. It exists in two forms: total T3 and free T3. T3 measurement helps detect thyroid overactivity, especially in cases of T3-toxicosis, where TSH is low but T3 is elevated. It's also useful when TSH and T4 levels do not fully explain clinical symptoms.

For T3 and Free T3:

Antibodies

Cat#	Size	Type	Clone/Host	Isotype	Format
5316306	1 mg	Mab	MO11	IgG1	Purified Unconjugated

Antigens & Conjugates

Cat#	Size	Type	Match with	Format
1302172-V	2 mg	Antigen - COOH	5316306	Solid

- **Thyroxine (T4)**

T4 is the main hormone secreted by the thyroid gland and is converted to T3 in peripheral tissues. Like T3, it is measured in total and free forms. Free T4 testing provides a clear picture of active thyroid hormone levels, especially when assessing thyroid disorders, hormone therapy response, or pituitary abnormalities. It is often used alongside TSH for comprehensive evaluation.

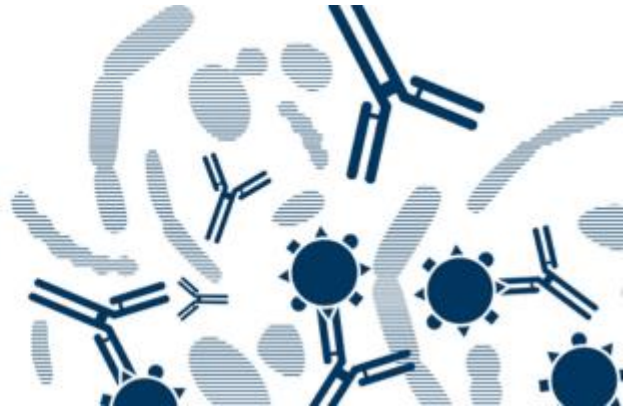
For T4 and Free T4:

Antibodies

Cat#	Size	Type	Clone/Host	Isotype	Format
5316406	1 mg	Mab	T41	IgG1	Purified Unconjugated

Antigens & Conjugates

Cat#	Size	Type	Match with	Format
1302193-V	2 mg	Antigen - COOH	5316406	Solid



- **Thyroglobulin Antibodies (TgAb)**

TgAb are autoantibodies directed against thyroglobulin, indicating an autoimmune thyroid condition such as Hashimoto's thyroiditis or Graves' disease. TgAb can interfere with thyroglobulin measurement, so their detection is essential when using Tg as a tumor marker. Elevated TgAb levels are also used to assess autoimmune activity and risk of thyroid dysfunction.

Antibodies

Cat#	Size	Type	Clone/Host	Isotype	Format	Application
5333516	1 mg	Mab	Tg8-B1	IgG1, Kappa	Purified Unconjugated	ELISA/RIA/CLIA
5333536	1 mg	Mab	Tg10-1B11	IgG1, Kappa	Purified Unconjugated	ELISA/RIA/CLIA

FOR ADDITIONAL INFORMATION, PLEASE CONTACT :

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