

Product datasheet for **AM01234PU-N**

Thyroglobulin (TG) Mouse Monoclonal Antibody [Clone ID: BGN/6E10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	BGN/6E10
Applications:	ELISA
Recommended Dilution:	ELISA: This antibody is suitable for use as a Capture antibody in a Sandwich ELISA with BGN/6D7 (BM733) as the Detection antibody.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Purified Native Human Thyreoglobulin.
Specificity:	Reacts with different epitope to clone BGN/6D7 (BM733) and can be used as the coated antibody in 2 site assay with this clone.
Formulation:	PBS, pH 7.2 containing 0.09% Sodium Azide as preservative. State: Purified State: Liquid purified IgG fraction.
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	thyroglobulin
Database Link:	Entrez Gene 7038 Human P01266



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Background:

Thyroglobulin is the glycoprotein precursor of the iodinated thyroid hormones thyroxine (T4) and triiodothyronine (T3). Thyroglobulin is obtained from the thyroid gland and exhibits the general properties of the globulins. The human thyroglobulin (hTG) is a high molecular weight glycoprotein (605 kDa) found in the thyroid follicular cells. It plays a central role in the uptake, incorporation, and regulated biosynthesis of thyroid hormones, T4 and T3. Thyroid disorders are, in large part, due to autoimmune origin, and anti thyroglobulin autoantibodies were the first factor to be discovered. Anti hTG is found in all thyroid autoimmune diseases (Hashimoto's thyroiditis, Graves' diseases), with the highest level observed in Hashimoto's thyroiditis. Anti hTG is also characteristic of thyroid cancer, and its determination can be used for the follow up of cancer patients.

Synonyms:

Thyreoglobulin, TGN