

Product datasheet for **AM32241SU-N**

Thyroglobulin (TG) Mouse Monoclonal Antibody [Clone ID: MRQ-41]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MRQ-41
Applications:	IHC
Recommended Dilution:	Immunohistochemistry on frozen and paraffin sections: 1/100 - 1/500. Instructions for use: 1. Cut 3-4 μm section of formalin-fixed paraffin-embedded tissue and place on positively charged slides; dry overnight at 58°C. 2. Deparaffinize, rehydrate, and epitope retrieve; the preferred method is the use of Heat Induced Epitope Retrieval (HIER) techniques in conjunction with a pressure cooker. The preferred method allows for simultaneous deparaffinization, rehydration, and epitope retrieval. Upon completion, rinse with 5 changes of distilled or deionized water. 3. If using HRP detection system, place slides in peroxide block for 10 minutes; rinse. If using AP detection system, omit this step. Positive control: Thyroid, thyroid follicular carcinoma, thyroid papillary carcinoma Staining pattern: Cytoplasmic
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody is useful in identification of thyroid carcinoma of the papillary and follicular types. Anti-Thyroglobulin, combined with TTF1 are demonstrable by immunohistochemistry assay in the majority of thyroid neoplasms. A panel of antibodies for Thyroglobulin, TTF1, CK-7, CK19, and CK20 is useful when thyroid is the possible primary site of a metastatic tumor.
Formulation:	PBS, pH 7.4 State: Supernatant State: Liquid supernatant Stabilizer: 0,9% BSA Preservative: 0,09% sodium azide
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.



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Stability:	Shelf life: one year from despatch.
Gene Name:	thyroglobulin
Database Link:	Entrez Gene 7038 Human P01266
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.
Synonyms:	Thyreoglobulin, TGN