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36-1724: Monoclonal Antibody to Thyroglobulin (Thyroidal Cell Marker)(Clone: TGB24)

Clonality: Monoclonal **Clone Name:** TGB24 Application: ELISA.IHC Reactivity: Human Gene: TG Gene ID: 7038 **Uniprot ID:** P01266 Purified Format:

Isotype: Mouse IgG1, kappa

Immunogen Information: Human thyroid follicular cells

TG

Description

Alternative Name:

Thyroglobulin is a 660kDa dimeric pre-protein with mutiple glycosylation sites. It is produced by and processed within the thyroid gland to produce the hormone thyroxine and triiodothyronine. Prior to forming dimers, thyroglobulin monomers undergo conformational maturation in the endoplasmic reticulation. The vast majority of follicular carcinomas of the thyroid will give positive immunoreactivity for anti-thyroglobulin even though sometimes only focally. Poorly differentiated carcinomas of the thyroid are frequently anti-thyroglobulin negative. Adenocarcinomas of other-than-thyroid origin do not react with this antibody. This antibody is useful in identification of thyroid carcinoma of the papillary and follicular types. Presence of thyroglobulin in metastatic lesions establishes the thyroid origin of tumor. Anti-thyroglobulin, combined with anti-calcitonin, can identify medullary carcinomas of the thyroid. Furthermore, anti-thyroglobulin, combined with anti-TTF1, can be a reliable marker to differentiate between primary thyroid and lung neoplasms.

Product Info

Amount : 100 μg

Purification: Affinity Chromatography

Content: 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

toxic.

Storage condition : Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

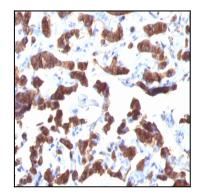
Application Note

ELISA (Use Ab at 2-4ug/ml for coating) (Order Ab without BSA);Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 min at RT) (Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);



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 $Formal in-fixed, paraffin-embedded\ human\ Thyroid\ Carcinoma\ stained\ with\ Thyroglobulin\ Monoclonal\ Antibody\ (TGB24).$