
TG Recombinant Rabbit mAb

Catalog Number: bsm-60597R

Target Protein: TG

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Recombinant

Clone No.: A7B9

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:50-200), IHC-F (1:50-200), IF (1:50-200), Flow-Cyt (1:50-100), ICC/IF (1:50-200)

Reactivity: Human, Mouse, Rat

Predicted MW: 660 kDa

Subcellular Secreted

Locations:

Entrez Gene: 7038

Swiss Prot: P01266

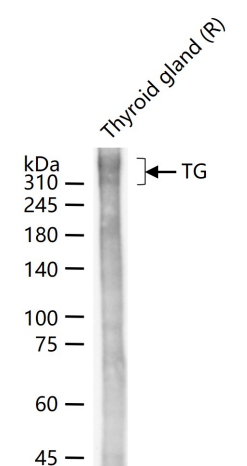
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

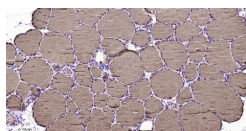
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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.

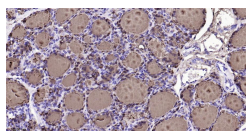
VALIDATION IMAGES



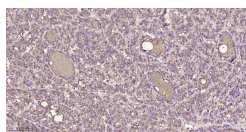
25 ug total protein per lane of various lysates (see on figure) probed with TG monoclonal antibody, unconjugated (bsm-60597R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Mouse Thyroid Gland; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with TG Monoclonal Antibody, Unconjugated(bsm-60597R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Rat Thyroid Gland; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with TG Monoclonal Antibody, Unconjugated(bsm-60597R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Thyroid Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with TG Monoclonal Antibody, Unconjugated(bsm-60597R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.