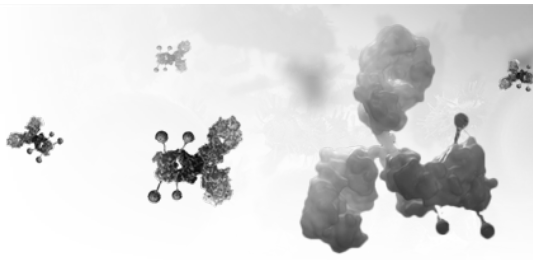

Anti-TG monoclonal antibody, clone 7F2 (DCABH-17085)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	Native purified TG from human thyroid gland.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human, Mouse, Rat
Clone	7F2
Purification	Protein G purification
Conjugate	Unconjugated
Applications	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
Format	Liquid
Buffer	In PBS (0.05% BSA, 0.05% sodium azide)

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Preservative	0.05% Sodium Azide
Storage	Store at 4°C For long term storage store at -20°CAliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	TG thyroglobulin [Homo sapiens]
Official Symbol	TG
Synonyms	TG; thyroglobulin; AITD3; TGN;
Entrez Gene ID	7038
Protein Refseq	NP_003226
UniProt ID	P01266
Chromosome Location	8q24
Pathway	Autoimmune thyroid disease, organism-specific biosystem; Autoimmune thyroid disease, conserved biosystem;
Function	NOT carboxylesterase activity; chaperone binding; hormone activity; NOT neurexin family protein binding; NOT receptor activity;

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