

Thyroglobulin Monoclonal Antibody (TG62)

Catalog NumberMA1-10594

Product data sheet

Details		Species Reactivity	
Size	500 µg	Species reactivity	Human
Host/Isotope	Mouse / IgG1	Tested Applications	
Class	Monoclonal	ELISA (ELISA)	Dilution *1-10 µg/mL
Type	Antibody	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Clone	TG62		
Immunogen	Purified human Thyroglobulin.		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.64 mg/mL		
Purification	Protein A		
Storage buffer	PBS, pH 7.4		
Contains	no preservative		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Product specific information

MA1-10594 detects Thyroglobulin, specifically T4, from human samples. MA1-10594 has been successfully used in ELISA applications. The MA1-10594 immunogen is purified human Thyroglobulin.

Background/Target Information

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 thyroiditis, Graves diseases), with the highest level observed in Hashimoto thyroiditis. Anti-hTG is also characteristic of thyroid cancer, and its determination can be used for the follow up of cancer patients.

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