

Thyroglobulin Monoclonal Antibody (5F9)

Catalog Number      MA1-21672

Product data sheet

Details	
Size	1 mg
Host/Isotope	Mouse / IgG2a
Class	Monoclonal
Type	Antibody
Clone	5F9
Immunogen	Thyroglobulin from human thyroid gland.
Conjugate	Unconjugated
Form	Liquid
Concentration	5.8 mg/mL
Storage Conditions	4° C, do not freeze

Species Reactivity	
Species reactivity	Bovine, Human
Tested Applications	
ELISA (ELISA)	Dilution * Assay-dependent
* 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.	

**Product specific information**

MA1-21672 detects Thyroglobulin in Human and Bovine samples. MA1-21672 has been successfully used in ELISA procedures. MA1-21672 immunogen corresponds to Thyroglobulin from human thyroid gland.

**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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