Anti-Thyroglobulin [aThy-23] Standard Size Ab00479-10.6

This is a Fab fragment with a his-tag.

This reformatted human antibody was made using the variable domain sequences of the original Human scFv format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human Fab fragment, His-Tagged, Kappa
Clone Number: aThy-23
Alternative Name(s) of Target: Tg
UniProt Accession Number of Target Protein: P01267
Published Application(s): IP, WB, ELISA, IHC
Published Species Reactivity: Bovine, Human
Immunogen: Human thyroglobulin.
Specificity:
Application Notes: The antibody binds specifically to thyroglobulin, a dimeric protein produced by the follicular cells of the thyroid gland. Thyroglobulin is the precursor of the thyroid hormone thyroxine (T4) and triiodothyronine (T3). Levels of thyroglobulin in the blood can be used as markers for certain thyroid tumours, and these levels can sometimes be masked by the presence of thyroglobulin antibodies, which are found most commonly in patients with Hashimoto's thyroiditis and Grave's disease. The detection of anti-Tg antibodies can therefore be used to test for these diseases.
Antibody First Published in: Griffiths AD, Malmqvist M, Marks JD, Bye JM, Embleton MJ, McCafferty J, Baier M, Holliger KP, Gorick BD, Hughes-Jones NC, et al. Human anti-self antibodies with high specificity from phage display libraries. EMBO J. 1993 Feb;12(2):725-34. PMID:7679990
Note on publication: Describes the potential of human monoclonal antibodies in developing new therapies, and the advantages of using phage antibody technology in comparison to the hybridoma technology. Also describes the production of several; scFVs using phage display libraries, against human TNF alpha, thyroglobulin, MUC1, Fog1 and CD4.

Product Form

Size: 200 µg Purified antibody.
Purification: Purified by Immobilized Metal Affinity Chromatography
Supplied In:

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PBS with 0.02% Proclin 300.
Storage Recommendation: Store at 4ºC for up to 3 months. For longer storage, aliquot and store at -20ºC.
Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.

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