

Patient Name : Demo Patient Name
Age / Sex : 28 Y / F
Referred By : DEMO HOSPITAL
Centre : HOD Head Office

Lab No : Demo Visit No
Registration On : 21-Jan-25 12:51
Patient ID : UHID.DEMO.001

Thyroid Peroxidase Antibody

Serum Sample

Accession No: DEMO_BARCODE **Collected On:** 21-Jan-25 12:51 **Received On:** 21-Jan-25 15:04 **Approved On:** 21-Jan-25 16:10

Observation	Result	Unit	Biological Ref. Interval	Method
Thyroid Peroxidase Antibody (Anti-TPO)	1.2	IU/ml	<10	CLIA

Clinical Significance of Anti-TPO:

* Thyroperoxidase (TPO) is an enzyme involved in thyroid hormone synthesis, catalyzing the oxidation of iodide on tyrosine residues in thyroglobulin for the synthesis of triiodothyronine and thyroxine (tetraiodothyronine). Disorders of the thyroid gland are frequently caused by autoimmune mechanisms with the production of autoantibodies. Anti-TPO antibodies activate complement and are thought to be significantly involved in thyroid dysfunction and the pathogenesis of hypothyroidism..

* Thyroid Autoantibodies if present are indicative of Hashimoto's thyroiditis. During the acute phase of the disease symptoms of hyperthyroidism are seen which should be distinguished from the other causes of hyperthyroidism and should be treated conservatively.

* Chronic Hashimoto's thyroiditis is the most frequent cause of hypothyroidism

Remarks: Please correlate results with clinical conditions.



This is a Demo Signature
and the doctor's signature should appear here

In case of any unexpected or alarming results, please contact us immediately for re-confirmation, clarifications, and rectifications, if needed.

