

Hashimoto's Markers and Patterns

Thyroid Peroxidase Antibody (TPO)

Positive (>34)	Negative (0 - 34)
Hashimoto's (95%)	
Graves' Disease (50%-85%)	

Thyroglobulin Antibody (TG ab)

Positive (>0.9)	Negative (0 – 0.9)
Hashimoto's (60%)	
Graves' disease (30%)	
Thyroid cancer	

Hashimoto's Pattern

Condition	TSH	TT4	TT3	Antibody
Transient/early Hashimoto's (can present as hyperthyroid)	<1.5 (very low)	>12.0 (high)	>180 (high)	TPO + TGB -/+
Typical Hashimoto's	>3.0	<7.5	<90	TPO + TGB -/+
Late stage Hashimoto's	N or >2.0	<5.0	<60	TPO + TGB -/+

Once auto antibodies have destroyed a significant amount of thyroid tissue, there are fewer cells left to produce T4.