



Human Thyroglobulin (DAG4833)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Species	Human
Purity	>95% as determined by SDS-PAGE
Conjugate	Unconjugated
Applications	WB, ELISA
Molecular Weight	662 kDa
Format	Liquid
Concentration	Batch dependent - please inquire should you have specific requirements
Size	50 µg
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction

Thyroglobulin (TG) represents one of the main autoantigenic targets in autoimmune thyroid disease of humans. TG is a large globular dimeric glycoprotein with a total molecular weight of 660 kDa, which occupies a key precursor role in the biosynthesis of the thyroid hormones. Approximately 75% of the total protein content of the thyroid follicle consist of TG. TG autoantibodies of IgG type have a prevalence of 80-85% in patients with Hashimoto thyroiditis and also a lower prevalence of 30-80% in patients with Graves' disease.

Keywords Thyroglobulin; TG; Thyroid hormones