
Product Information Sheet

Ordering Information

Product Number: V100155

Product Name: Anti-Thyroglobulin antibody *Mouse anti-human, monoclonal IgG1*

Unit Size: 50 ug

Storage Conditions: Freeze (<-15 °C)

Expiration Date: 12 months upon receiving

Chemical and Spectral Properties

Appearance: Solid

Molecular Weight: N/A

Soluble In: Water

Excitation Wavelength: N/A

Emission Wavelength: N/A

Application Notes

Thyroglobulin (TG) is a 660 kDa glycoprotein homodimer produced by follicular cells of the thyroid gland. It is used predominately within the thyroid gland as a precursor for the synthesis of thyroxine and triiodothyronine, both of which are thyroid hormones essential for regulating metabolism. Under normal physiological conditions, the levels of thyroglobulin circulating in the blood stream are low. However, in any thyroid pathology the level of thyroglobulin increases making it a promising biomarker for thyroid cancers and thyroid diseases such as Graves' disease. Anti-TG monoclonal antibodies are highly sensitive for the detection of human thyroglobulin immunogens. They can be used for a broad range of immunoassays such as chemiluminescent immunoassays (CLIA), and for IVD assay development.