

## Thyroglobulin (T3/T4) Monoclonal Antibodies

### ORDERING INFORMATION

Catalog No.	Clone No.	MAB Subtype	Size	Library Pack No.	100ug/clone
12101	TG60	IgG1	100ug, 500ug	121101	All 4 clones
12102	TG62	IgG1	100ug, 500ug		
12103	TG8.1	IgM*	100ug, 500ug		
12104	TG9.1	IgG1	100ug, 500ug		

**Format:** Protein G-purified antibody in PBS, pH 7.4. \*PEG-purified antibody in PBS, pH 7.4.

### BACKGROUND

Thyroglobulin (Tg) is a 660 kDa, dimeric protein produced by the follicular cells of the thyroid. Thyroglobulin accounts for approximately half of the protein content of the thyroid gland. Human TG is a homodimer of subunits each containing 2768 amino acids as synthesized (a short signal peptide may be removed from the N-terminus in the mature protein). Tg is used by the thyroid gland to produce the thyroid hormones thyroxine (T4) and triiodothyronine (T3).

### SPECIFICATION SUMMARY

**Antigen:** Purified human thyroglobulin.

**Host Species:** Mouse

**Specificity:** 12102 is T4-specific and 12104 is T3-specific. 12101 and 12103 recognize both T3 and T4.

### APPLICATIONS

These antibodies may be used in ELISA to detect and quantitate thyroglobulin.

### DILUTION INSTRUCTIONS

Dilute in PBS or medium that is identical to that used in the assay system.

### STORAGE AND STABILITY

These antibodies are stable for at least one (1) year at -20°C to -70°C. Store product in appropriate aliquots to avoid multiple freeze-thaw cycles.