CATALOGUE #: **2TG12cc**

PRODUCT NAME: **Monoclonal mouse anti-human thyroglobulin**

Recombinant MAbs: **TG51, TG61, TG64, TG66**
Recombinant chimeric antibody expressed in a mammalian cell line. Composed of original wild type variable domains of rat derived MAb and human IgG1 constant domains.

TG12
Recombinant monoclonal antibody expressed in a mammalian cell line. Full-size IgG sequence derived from rabbit B cells

MAbs *in vitro*: **TG08, TG14, TG16, TG23, TG36, TG37, TG46, TG47, 5E6cc, 5F9cc**
Mouse monoclonal antibody produced in bioreactor. Hybridoma clone derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice.

Immunogen: Thyroglobulin from human thyroid gland

Specificity: Human thyroglobulin.

TG12, TG14, TG16, TG23, TG36, TG37, TG46, TG47, TG64, 5E6cc, 5F9cc exhibit no or low interference with thyroglobulin autoantibodies.

TG08, TG51, TG61, TG66 compete with thyroglobulin autoantibodies (exhibit high interference).

5F9cc cross-reacts with bovine thyroglobulin.

MAb isotypes: **IgG** for TG12

IgG1 for TG08, TG14, TG16, TG23, TG36, TG37, TG47, TG51, TG61, TG64, TG66

IgG2a for TG46, 5F9cc

IgG2b for 5E6cc

Applications: Detection of human thyroglobulin in immunoassays.

Recommended pairs for sandwich immunoassay:

Capture	Detection
TG47	TG16
TG47	TG64
TG16	TG12
TG14	TG23
TG64	TG23
TG64	TG16

Capture	Detection
TG23	TG12
5F9cc	5E6cc
TG37	TG16
TG46	TG12
TG64	TG46
TG37	TG64

TG08, TG51, and TG61 are intended for developing immunoassays for the quantitative determination of thyroglobulin autoantibodies, as these MAbs target thyroglobulin epitopes recognized by autoantibodies. TG08, TG51, or TG61 can be used individually in competitive immunoassays. In addition, TG08 or TG61 can be combined with the supplemental antibody TG66 in competitive formats; the recommended primary-to-supplemental antibody ratio is 3:1.

MAbs TG08, TG12, TG14, TG16, TG23, TG36, TG37, TG46, TG47, TG51, TG61, TG64, 5E6cc and 5F9cc work in Western blotting.

Hytest
SCIENTIFIC EXCELLENCE FOR IVD
HYTEST LTD
Intelligate 1, 6th floor, Joukahaisenkatu 6 • FI-20520 Turku, FINLAND
Tel. +358 2 512 0900 • E-mail: hytest@hytest.fi • HYTEST.FI

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Purification:	Protein A chromatography
Presentation:	50 mM sodium citrate, 150 mM NaCl, pH 6.0, 0.09 % sodium azide (NaN_3) for TG36, TG37, TG46, TG47 PBS, pH 7.4, 0.09 % sodium azide (NaN_3) for TG08, TG12, TG14, TG16, TG23, TG51, TG61, TG64, TG66, 5E6cc, 5F9cc
Storage:	+4 °C (+2 … +8 °C allowed)
Material safety note:	This product is sold **for research or further manufacturing use only**. Standard Laboratory Practices should be followed when handling this material. Product contains sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling this product.

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