



DataSheet

CATALOGUE #: 2T6

PRODUCT NAME: Monoclonal mouse anti-thyroxine

MAbs: 1H1, XM212

Hybridoma clones have been derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice immunized with conjugate of purified thyroxine (Sigma T-2501) with BSA.

Specificity: Thyroxine (T4)

MAbs react with conjugate T4-BSA and with free thyroxine in ELISA. Cross-reactivity with triiodothyronine (Sigma T-2752) is less than 0.1%.

The reactivity of the MAb XM212 with L-thyroxine is 100 % and with D-thyroxine 30 %.

MAb isotypes: **IgG1** for MAb 1H1

IgG2a for MAb XM212

Applications: Detection of thyroxine. ELISA.

Purification: 1H1 by chromatography on protein A Sepharose

XM212 by ion exchange chromatography

Presentation: 1H1 in PBS, pH 7.4, 0.09 % sodium azide (NaN₃)

XM212 in 0.15 M NaCl, 10 mM Tris, pH 7.5, 0.05 % of sodium azide (NaN₃).

Storage: +4 °C (+2 ... +8 °C allowed)

Material safety note: This product is sold **for research 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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