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SPECIFICATION SHEET

Important Note: **Centrifuge before opening to ensure complete recovery of vial contents.**

Catalog #: MAT04-410 **Lot #:** 2C08711

Description: MAb to TSH
Monoclonal Antibody to Human Thyroid Stimulating Hormone (TSH), beta subunit

Specificity: Cross-reactivity:

FSH	0.7%
LH	0.5%
TSH alpha	1.5%

Clone: 204-12410

Host Animal: Mouse **Isotype:** IgG_1, kappa

Source: Ascites

Immunogen: Source: Human Pituitary Gland

Format: Purified, Liquid

Purification: > 90% pure (SDS-PAGE). Protein A Chromatography. Product is 0.2 µm filtered.

Concentration: 5.63 mg/mL (OD280nm, $E^{0.1\%} = 1.4$)

Affinity Constant: 3.4×10^{10} L/m

Buffer: 10 mM Phosphate, pH 7.4 containing 150 mM Sodium Chloride.

Preservative: 0.05% Sodium Azide

Applications: Suitable for use in ELISA. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Recommended pair for sandwich immunoassay:

Capture	Detection
204-12410	057-11006

Storage: Short term (up to 7 days) store at 2-8°C. Long term, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

Warning: This product contains sodium azide, which has been classified as Xn (Harmful), in European Directive 67/548/EEC in the concentration range of 0.1–1.0%. When disposing of this reagent through lead or copper plumbing, flush with copious volumes of water to prevent azide build-up in drains.

References: The reference listed below is for research purposes only:
Bellisario, R., et al., (2000), "Simultaneous Measurement of Thyroxine and Thyrotropin from Newborn Dried Blood-Spot Specimens Using a Multiplexed Fluorescent Microsphere Immunoassay", Clinical Chemistry, **46**(9): 1422-1424.

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.