

## CERTIFICATE OF ANALYSIS

**Catalog #:** MAT04-410 **Lot #:** M39454021

**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%

**Host Animal:** Mouse **Isotype:** IgG<sub>1</sub>, kappa

**Source:** Ascites

**Immunogen:** Source: Human Pituitary Gland

**Format:** Purified, Liquid **Exp. Date:** 19 MAR 2026

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

**Concentration:** 5.28 mg/mL (OD280nm, E<sup>1%</sup> = 1.4)

**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:  

<u>Capture</u>	<u>Detection</u>
MAT04-252	MAT04-410
MAT04-410	MAT04-252
MAT04-410	MAT04-006

**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.

**Safety Note(s):** Refer to the appropriate Safety Data Sheet (SDS) for additional information.

**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.

Quality Signature

04 May 2021  
Date

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**