

CERTIFICATE OF ANALYSIS

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

Catalog #: MAT04-003 **Lot #:** M43483022

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

Specificity: Specific to intact TSH. Reacts with TSH through the alpha subunit/hinge region. Does not react with free beta subunit. Has limited reactivity to free alpha subunit.
Cross-Reactivity:

TSH	100%	Ascites Lot#:	Various
hCG	0%		
LH	0%		
FSH	0%		

Host Animal: Mouse **Isotype:** IgG₁, kappa

Clone: 057-11003

Source: Ascites. Derived from BALB/c mice.
Animal Source Products/Country of Origin: Product manufactured in the United States using only healthy domestic animal materials processed in U.S. facilities under veterinarian supervision. Peritoneal fluid meets European Union requirements for shipment, at the shipper's own risk, to the EU on the Chapter 4(C) Health Certificate.

Immunogen: TSH purified from human pituitary gland. **Exp. Date:** 18 JUL 2027

Format: Purified, Liquid

Purification: Protein A Chromatography, Product is 0.2 µm filtered
≥ 95% HPLC
≥ 90% pure (SDS-PAGE) **DOM:** 18 JUL 2022

Concentration: 5.14 mg/mL (OD280nm, E_{1%} = 14)

Buffer: 10 mM Phosphate, pH 7.4 ± 0.2 containing 150 mM Sodium Chloride.

Preservative: 0.05% Sodium Azide

Applications: Suitable for use in ELISA. Can detect < 1 µIU/mL in serum. 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.

Storage: Storage at 2-8°C is acceptable for a period of 12 months. 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.

Quality Signature:



05 AUG 2022

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY