

## MAB to TSH

Cat. No.: MAT04-003

STORE AT -30 to -10°C

<b>DESCRIPTION</b>	Monoclonal Antibody to Human Thyroid Stimulating Hormone (TSH)
<b>TYPE</b>	Monoclonal Antibody
<b>ISOTYPE</b>	IgG <sub>1</sub> , kappa
<b>SHIPPING &amp; STORAGE INFORMATION</b>	Aliquot and store at -30 to -10°C. Avoid multiple freeze/thaw cycles.
<b>SAFETY PRECAUTIONS</b>	Read and understand the SDS (Safety Data Sheets) before handling the reagents.
<b>NOTES</b>	This reagent has been manufactured under ISO13485 quality management system and is suitable for research or further manufacturing use only. Centrifuge before opening to ensure complete recovery of vial contents

» For ordering and to learn about pack sizes, please [click here](#).

### General Features/Characteristics

<b>SPECIFICITY</b>	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.
	<u>Cross-Reactivity</u>
	TSH                    100%
	LH                     0%
	FSH                   0%
	hCG                   0%
<b>HOST ANIMAL</b>	Mouse
<b>SOURCE</b>	Ascites derived from BALB/c mice. 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.
<b>IMMUNOGEN</b>	TSH purified from human pituitary gland
<b>FORMAT</b>	Purified, Liquid
<b>BUFFER</b>	10 mM Phosphate, pH 7.4 ± 0.2 containing 150 nM Sodium Chloride
<b>PRESERVATIVES</b>	0.05% Sodium Azide
<b>PURIFICATION</b>	Protein A chromatography. Product is 0.2 µm filtered.
<b>CONCENTRATION</b>	OD280nm, E <sup>1%</sup> = 1.4
<b>PURITY</b>	≥ 95% SEC ≥ 90% pure (SDS-PAGE)

### Applications

Suitable for use in sandwich ELISA. Can detect < 1  $\mu$ U/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.