

MAb to TSH**Cat. No.: MAT04-003****STORE AT -30 to -10°C**

DESCRIPTION	Monoclonal Antibody to Human Thyroid Stimulating Hormone (TSH)
TYPE	Monoclonal Antibody
ISOTYPE	IgG ₁ , kappa
SHIPPING & STORAGE INFORMATION	Aliquot and store at -30 to -10°C. Avoid multiple freeze/thaw cycles.
SAFETY PRECAUTIONS	Read and understand the SDS (Safety Data Sheets) before handling the reagents.
NOTES	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

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

Applications

Suitable for use in sandwich ELISA. Can detect < 1 μ 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.