



Magic™ Anti-TSH monoclonal antibody, clone 068-22004 (DCAB-TJ251)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Specific to intact TSH.
Immunogen	TSH purified from Human pituitary gland.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	068-22004
Purification	≥ 90% pure (SDS-PAGE). Protein A Chromatography. Product is 0.2 µm filtered.
Conjugate	Unconjugated
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. Capture Detection DCAB-T Suggested pair for testing (Capture - Detection): DCAB-TJ251 - DCAB-TJ253
Sensitivity	Can detect 1 µUI/mL in serum.
Procedure	Cardiac markers Antibodies
Format	Purified, Liquid
Concentration	5.45 mg/mL (OD280 nm, E0.1% = 1.4)

Size	1 mg
Buffer	10 mM Phosphate, pH 7.4 ± 0.2 containing 150 mM Sodium Chloride.
Preservative	0.05% Sodium Azide
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.
Warnings	Centrifuge before opening to ensure complete recovery of vial contents. 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.

BACKGROUND

Introduction	Thyroid-stimulating hormone (also known as thyrotropin, TSH, or hTSH for human TSH) is a hormone that stimulates the thyroid gland to produce thyroxine (T4), and then triiodothyronine (T3) which stimulates the metabolism of almost every tissue in the body. It is a glycoprotein hormone synthesized and secreted by thyrotrope cells in the anterior pituitary gland, which regulates the endocrine function of the thyroid gland.
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Keywords	TSH; thyrotropin; TSH; hTSH; human TSH; Thyroid-stimulating hormone
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GENE INFORMATION

Entrez Gene ID	12640
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UniProt ID	A2AVN3
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