



ANOGEN - A Division of YES Biotech Laboratories Ltd.

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Mouse Anti-Human TSH Monoclonal Antibody Datasheet

Product Name: mAb anti-human TSH	Clone No.: TSH-2
Catalogue No.: MO-M40046A	Quantity: 0.5 mg/vial
Description: Mouse anti-Human Thyroid Stimulating Hormone (TSH) monoclonal antibody.	<p>cells in thyroid and stimulates the production of thyroid hormones (T4 and T3). TSH, T3 and T4 play an important role in normal growth, brain development in young children, and regulate the metabolism in adults. TSH secretion is increased when T3 and T4 are insufficient. Elevated TSH, but low T3 and T4 levels indicate that thyroid cannot produce thyroid hormones at a normal rate and the condition is called hypothyroidism. If T3 and T4 levels are high when TSH is at a low level, it indicates that thyroid is producing abnormally large amount thyroid hormones, and the condition is called hyperthyroidism which is manifested by hypermetabolic symptoms.</p> <p>TSH has an α subunit that is identical to the one in other glycoprotein hormones such as LH, FSH and HCG.</p>
Purification: Protein G affinity purified	
Product Type: Prime antibody- detection antibody in matched antibody pair	
Target Protein: Human TSH	
Immunogen: Recombinant human TSH	
Fusion Myeloma: Not known	
Specificity: Human TSH β subunit	
Species Reactivity: Human, others not tested	
Host / Isotype: Mouse, IgG1 Kappa	
Formulation: Lyophilized from a solution in 0.01M PBS, pH 7.2	
Reconstitution: Double distilled water is recommended to adjust the final concentration to 1.00mg/mL.	Applications: ELISA: In combination with TSH capture antibody TSH-1 [Cat No: MO-M40046B]. this antibody, when conjugated with HRP, can be used as tracer in sandwich ELISA for human TSH detection
Storage: Store at -20°C	References: If research is published using this product, please inform Anogen in order to cite the reference on this datasheet. Anogen will provide one unit of product in the same category as gratitude.
Research Area: Hormone, metabolism	
Background: Thyroid stimulating hormone is secreted by pituitary gland in response to the stimulation of Thyrotropin Releasing Hormone (TRH) produced by hypothalamus. TSH binds to the TSH receptors on the surface of the follicular	

This product is for **LABORATORY RESEARCH USE** and further manufacture **ONLY**, and cannot be administrated to human and animals for use in diagnostic and therapeutic procedures.

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