

ARG10174
anti-TSH / Thyroid Stimulating Hormone antibody [TSH-2] (HRP)Package: 100 µl
Store at: -20°C

Summary

Product Description	HRP-conjugated Mouse Monoclonal antibody [TSH-2] recognizes TSH / Thyroid Stimulating Hormone
Tested Reactivity	Hu
Tested Application	ELISA
Host	Mouse
Clonality	Monoclonal
Clone	TSH-2
Isotype	IgG1, kappa
Target Name	TSH / Thyroid Stimulating Hormone
Species	Human
Immunogen	Recombinant human TSH
Conjugation	HRP
Alternate Names	FSH-alpha; LSH-alpha; FSHA; Thyrotropin alpha chain; LHA; CG-alpha; GPHA1; TSHA; Chorionic gonadotrophin subunit alpha; Luteinizing hormone alpha chain; TSH-alpha; Choriogonadotropin alpha chain; GPHA; CG-ALPHA; Anterior pituitary glycoprotein hormones common subunit alpha; Follitropin alpha chain; HCG; Glycoprotein hormones alpha chain; Thyroid-stimulating hormone alpha chain; Follicle-stimulating hormone alpha chain; Lutropin alpha chain

Application Instructions

Application Note	ELISA: In combination with TSH capture antibody, TSH-1 (Cat No: ARG10173), this HRP conjugated antibody can be used as tracer antibody in sandwich ELISA for human TSH detection. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
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Properties

Form	Liquid
Purification	Protein G affinity purified
Buffer	0.01M PBS (pH 7.2) and 50% Glycerol
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Keep the antibody in the dark and keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 1081 Human Swiss-port # P01215 Human
Gene Symbol	CGA
Gene Full Name	glycoprotein hormones, alpha polypeptide
Background	<p>Thyroid stimulation 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 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. TSH has a α subunit that is identical to the one in other glycoprotein hormones such as LH, FSH and HCG.</p>
Highlight	<p>Related Antibody Duos and Panels: ARG30056 TSH / Thyroid Stimulating Hormone ELISA Antibody Duo Related products: TSH antibodies; TSH ELISA Kits; TSH Duos / Panels; Anti-Mouse IgG secondary antibodies;</p>
Research Area	Cancer antibody; Metabolism antibody; Neuroscience antibody; Signaling Transduction antibody
Calculated Mw	13 kDa