

ARG10173
anti-TSH / Thyroid Stimulating Hormone antibody [TSH-1]Package: 100 µg
Store at: -20°C

Summary

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| Product Description | Mouse Monoclonal antibody [TSH-1] recognizes TSH / Thyroid Stimulating Hormone |
| Tested Reactivity | Hu |
| Tested Application | ELISA |
| Host | Mouse |
| Clonality | Monoclonal |
| Clone | TSH-1 |
| Isotype | IgG1, kappa |
| Target Name | TSH / Thyroid Stimulating Hormone |
| Species | Human |
| Immunogen | Recombinant human TSH |
| Conjugation | Un-conjugated |
| 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

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| Application Note | <p>ELISA: This antibody can be used as capture antibody in sandwich ELISA for human TSH detection in combination with HRP conjugated TSHβ antibody (Cat No: ARG10174). The suggested capturer coating quantity is 4µg/mL.</p> <p>* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.</p> |
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Properties

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| Form | Liquid |
| Purification | Protein G affinity purified |
| Buffer | 0.01M PBS (pH 7.2) |
| 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 or below. Storage in frost free freezers is not recommended. 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

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| 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 |