# TSHB monoclonal antibody, clone 057-11001

Catalog # MAB4750 Size 1 mg

## Specification

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| **Product Description** | Mouse monoclonal antibody raised against native TSHB. |
| **Immunogen** | Native purified TSHB from human pituitary gland. |
| **Host** | Mouse |
| **Reactivity** | Human |
| **Specificity** | human Thyroid Stimulating Hormone (TSH), intact and beta subunits.<br>Cross-reactivity:<br>TSH 100%<br>hCG 0%<br>LH 0%<br>FSH 0% |
| **Form** | Liquid |
| **Isotype** | IgG1, kappa |
| **Recommend Usage** | The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In 10 mM sodium phosphate buffer, 150 mM NaCl, pH 7.4 (0.09% sodium azide) |
| **Storage Instruction** | Store at 4°C. For long term storage store at -80°C.<br>Aliquot to avoid repeated freezing and thawing.<br>If aliquoted for long term storage, fill volume should be equal to or greater than 50% of the nominal fill volume of the vial used. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

- Sandwich ELISA
- Enzyme Immunoassay

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## Gene Info — TSHB

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| **Entrez GeneID** | 7252 |
| **Gene Name** | TSHB |
| **Gene Alias** | CHNG4, TSH-BETA |
| **Gene Description** | thyroid stimulating hormone, beta |
| **Omim ID** | 188540 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | Thyrotropin-stimulating hormone (TSH) is a noncovalently linked glycoprotein heterodimer and is part of a family of pituitary hormones containing a common alpha subunit (TSHA; see MIM 11885 0) and a unique beta subunit that confers specificity.[supplied by OMIM |
| **Other Designations** | OTTHUMP00000013654\|thyrotropin beta subunit |

## Pathway

- Autoimmune thyroid disease
- Neuroactive ligand-receptor interaction

## Disease

- Congenital Hypothyroidism
- Genetic Predisposition to Disease
- Growth Disorders
- Hypothyroidism
- Thyroid Neoplasms

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