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# Product datasheet for AM10041PU-N

## TSH beta (TSHB) Mouse Monoclonal Antibody [Clone ID: TSH220]

### Product data:

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|---|---|
| **Product Type:** | Primary Antibodies |
| **Clone Name:** | TSH220 |
| **Applications:** | IF, IHC |
| **Recommended Dilution:** | Suitable for Immunohistochemistry and Immunocytochemistry (Frozen or Formalin-Fixed Paraffin-Embedded (FFPE) tissue sections and cell smears)<br>For IHC dilute concentared antibody at 1/50-1/100, use streptavidin~biotin system or polymer system, incubate 30 minutes at room temperature.<br>For FFPE tissue sections, the intensity of staining can be enhanced by antigen retriever (boiling tissue in 10 mM citrate, pH 6.0 for 15-20 mins, followed by cooling at RT for 20 mins).<br>Immunofluorescence.<br>Recommended Positive Control: Human Anterior pituitary. |
| **Reactivity:** | Human |
| **Host:** | Mouse |
| **Isotype:** | IgG1 |
| **Clonality:** | Monoclonal |
| **Immunogen:** | Human TSH, beta subunit. |
| **Specificity:** | This antibody labels thyrotrophic cells of the pituitary and may be useful for research in the classification of pituitary adenocarcinomas and differential identification of primary and metastatic tumors of the pituitary.<br>Cellular Localization: Cytoplasmic staining of anterior pituitary cells. |
| **Formulation:** | PBS, pH 7.4 containing 1% BSA as stabilizer and 0.05% Sodium Azide as preservative.<br>State: Purified<br>State: Liquid purified Ig fraction. |
| **Concentration:** | lot specific |
| **Conjugation:** | Unconjugated |
| **Storage:** | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>Avoid repeated freezing and thawing. |
| **Stability:** | Shelf life: One year from despatch. |
| **Gene Name:** | thyroid stimulating hormone beta |

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**Database Link:** Entrez Gene 7252 Human
P01222

**Background:** Thyroid-stimulating hormone (also known as TSH or thyrotropin) is a hormone synthesized and secreted by thyrotrope cells in the anterior pituitary gland which regulates the endocrine function of the thyroid gland. TSH is a glycoprotein and consists of two subunits, the alpha and the beta subunit. The alpha subunit is identical to that of human chorionic gonadotropin (HCG), luteinizing hormone (LH), follicle-stimulating hormone (FSH). The beta subunit is unique to TSH, and therefore determines its function.

**Synonyms:** Thyrotropin subunit beta, Thyroid-stimulating hormone subunit beta, TSH, TSHB, TSH beta