

Product datasheet for **AM05117PU-N**

TSH beta (TSHB) Mouse Monoclonal Antibody [Clone ID: 204-12410]

Product data:

Product Type:	Primary Antibodies
Clone Name:	204-12410
Applications:	ELISA
Recommended Dilution:	ELISA.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human pituitary gland.
Specificity:	This antibody reacts to Thyroid Stimulating Hormone (TSH), beta subunit. <u>Cross-reactivity:</u> FSH: 0.7% LH: 0.5% TSH alpha: 1.5%
Formulation:	10mM Phosphate, pH 7.4 containing 150mM Sodium chloride and 0,09% Sodium Azide as preservative. State: Purified State: Liquid (sterile filtered) purified fraction (>90% pure by SDS-PAGE).
Concentration:	lot specific
Purification:	Protein A Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one week or (in aliquots) at -40°C for longer. 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. 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 thyrotropin, is secreted from cells in the anterior pituitary called thyrotrophs, finds its receptors on epithelial cells in the thyroid gland, and stimulates that gland to synthesize and release thyroid hormones. TSH is a glycoprotein hormone composed of two subunits which are non covalently bound to one another. The alpha subunit of TSH is also present in two other pituitary glycoprotein hormones, follicle stimulating hormone and luteinizing hormone, and, in primates, in the placental hormone chorionic gonadotropin. Each of these hormones also has a unique beta subunit, which provides receptor specificity. In other words, TSH is composed of alpha subunit bound to the TSH beta subunit, and TSH associates only with its own receptor. Free alpha and beta subunits have essentially no biological activity.

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