

## Product datasheet for **AM03069PU-N**

### TSH beta (TSHB) Mouse Monoclonal Antibody [Clone ID: TSH-116]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	TSH-116
Applications:	ELISA, R
Recommended Dilution:	ELISA. RIA. The antibody TSH-116 is suitable in combination with the antibody TSH-51 (AM03068PU-N) for immunometric assays in the screening of neonatal hypothyroidism.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Human thyrotropin.
Specificity:	The antibody TSH-116 reacts with human thyroid stimulating hormone (hTSH, thyrotropin), a glycoprotein hormone produced by the anterior pituitary gland cells in response to signals from the hypothalamus gland in the brain. The TSH-116 reacts with association constant $1.1 \times 10^{11}$ l/mol. Following cross-reactivity expressed as binding of labelled hormone (% of total) was determined by solid phase RIA with excess of the antibody TSH-116: hTSH (78.9), hCG (20.3), hLH (23.2), hFSH (29.9).
Formulation:	PBS, pH 7.4 with 15 mM sodium azide as preservative. State: Aff - Purified State: Liquid purified IgG fraction (> 95% pure by SDS-PAGE).
Concentration:	lot specific
Purification:	Protein A affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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<b>Gene Name:</b>	thyroid stimulating hormone beta
<b>Database Link:</b>	<a href="#">Entrez Gene 7252 Human P01222</a>
<b>Background:</b>	Thyrotropin (hTSH) promotes the growth of the thyroid gland in the neck and stimulates it to produce more thyroid hormones. hTSH is composed of two subunits - alpha and beta.
<b>Synonyms:</b>	Thyrotropin subunit beta, Thyroid-stimulating hormone subunit beta, TSH, TSHB, TSH beta
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Protein Pathways:</b>	Autoimmune thyroid disease, Neuroactive ligand-receptor interaction