Monoclonal Antibody to Thyrotropin (hTSH)
Purified Antibody (0.1 mg)

Clone: TSH-116  
Isotype: Mouse IgG2a  
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).

Regulatory Status: RUO  
Immunogen: Human thyrotropin.  
Species Reactivity: Human  
Application: ELISA, RIA  
The antibody TSH-116 is suitable in combination with the antibody TSH-51 for immunometric assays in the screening of neonatal hypothyroidism.

Purity: > 95% (by SDS-PAGE)  
Purification: Purified by protein-A affinity chromatography  
Concentration: 1 mg/ml  
Storage Buffer: Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4  
Storage / Stability: Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.  
Expiration: See vial label  
Lot Number: See vial label  
Background: 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 nad beta.  

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