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 and beta.


Unless indicated otherwise, all products are For Research Use Only and not for diagnostic or therapeutic use. Not for resale or transfer either as a stand-alone product or as a component of another product without written consent of EXBIO. EXBIO will not be held responsible for patent infringement or other violations that may occur with the use of our products. All orders are accepted subject to EXBIO’s term and conditions which are available at www.exbio.cz.