

## Product Datasheet

### Anti-h TSH 5409 SPTNE-5 100034

<b>Product Name</b>	Anti-h TSH 5409 SPTNE-5
<b>Catalog Number</b>	100034
<b>Description</b>	Monoclonal mouse antibody, cultured in vitro under conditions free from animal-derived components.
<b>Tested Applications</b>	LF, CLIA, FIA
<b>Brand</b>	Medix Biochemica
<b>Form/Appearance</b>	Liquid, may turn slightly opaque during storage
<b>Concentration</b>	5.0 mg/ml (+/- 10 %)
<b>Storage</b>	+2-8°C
<b>Isotype</b>	IgG1
<b>Clonality</b>	Monoclonal
<b>Epitope</b>	Group 2. The epitope is located at the junction of alpha and beta subunits in hTSH. The antibody recognizes intact hTSH molecule.
<b>Purity</b>	≥ 95 %
<b>Affinity constant</b>	KA= $2.1 \times 10^{10}$ 1/M; KD= $4.8 \times 10^{-11}$ M (= 0.05 nM)
<b>Associated Products</b>	Native TSH antigen 996-51
<b>Buffer</b>	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 25 % ethylene glycol, 0.095 % NaN3 as a preservative
<b>IEF Profile</b>	5.8-7.2
<b>Cross Reactivity</b>	TSH $\alpha$ < 0.01 %, TSH $\beta$ 0.14 %, hCG < 0.04 %, LH < 0.04 %, FSH < 0.04 %
<b>Specificity</b>	Antibody recognizes human thyrotropin
<b>Shelf Life</b>	36 months
<b>References</b>	Brockmann, E.-C., Pettersson, K and Vehniäinen M. (2010) Use of high-capacity surface with oriented recombinant antibody fragments in a 5-min immunoassay for thyroid-stimulating hormone. Anal. Biochem., 396:242-249