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Product Datasheet

Anti-h TSH 5409 SPTNE-5 100034

Product Name	Anti-h TSH 5409 SPTNE-5
Catalog Number	100034
Description	Monoclonal mouse antibody, cultured in vitro under conditions free from animal-derived components.
Species/Host	Mouse
Tested Applications	CLIA, FIA, LF
Alternative Names	Thyrotropin
Brand	Medix Biochemica
Form/Appear	Liquid, may turn slightly opaque during storage
Concentration	5.0 mg/ml (+/- 10 %)
Storage	+2–8 °C
Isotype	IgG1
Clonality	Monoclonal
Epitope	Group 2. The epitope is located at the junction of alpha and beta subunits in hTSH. The antibody recognizes intact hTSH molecule.
Purity	≥ 95 %
Affinity constant	KA= 2.1 x 10^{10} 1/M; KD= 4.8 x 10^{-11} M (= 0.05 nM)
Buffer	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 25 % ethylene glycol, 0.095 % NaN3 as a preservative
IEF Profile	5.8–7.2
Cross Reactivity	TSH a < 0.01 %, TSH ß 0.14 %, hCG < 0.04 %, LH < 0.04 %, FSH < 0.04 %
Specificity	Antibody recognizes human thyrotropin
Shelf Life	36 months
References	Brockmann, E.-C., Pettersson, K and Vehniäinen M. (21) Use of high-capacity surface with oriented recombinant antibody fragments in a 5-min immunoassay for thyroid-stimulating hormone. Anal. Biochem., 396:242-249