

Product Datasheet

Anti-h TSH 5405 SP-5 100819

Product Name	Anti-h TSH 5405 SP-5
Catalog Number	100819
Description	Monoclonal mouse antibody, cultured in vitro under conditions free from animal-derived components.
Tested Applications	LF, FIA, CLIA
Brand	Medix Biochemica
Form/Appearance	Liquid, may turn slightly opaque during storage
Concentration	5.0 mg/ml (+/- 10 %)
Storage	+2-8°C
Note	Wu et al. (2002) developed a three antibody assay system which utilizes clones 5403, 5404 and 5405. Clone 5405 was used as a coated antibody and clones 5403 and 5404 were used as biotinylated label antibodies. They were able to achieve 0.002 mIU/L analytical and 0.017 mIU/L functional sensitivity. The test had negligible cross-reactivity with LH, FSH and hCG which were tested up to 200 mIU/L and 2500 IU/L, respectively.
Isotype	IgG2a
Clonality	Monoclonal
Epitope	Group 3
Purity	≥ 95 %
Affinity constant	$KA = 6.6 \times 10^9$ 1/M; $KD = 1.5 \times 10^{-10}$ M (= 0.15 nM)
Associated Products	Native TSH antigen 996-51
Buffer	0.9 % NaCl, 0.095 % NaN ₃ as a preservative
IEF Profile	6.2-7.1
Cross Reactivity	TSH α 9.3 %, hCG < 0.1 %, LH 0.47 %, FSH 1.8 %
Specificity	Antibody recognizes human thyrotropin and its free beta subunit
Shelf Life	36 months
References	Wu, F.-B., Han, S.-Q. and He, Y.-F. (2002) Time-resolved immunofluorometry of serum hTSH with enhanced sensitivity. J. Immunoassay & Immunochem., 23(2):191-210