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Product Datasheet

Anti-h TSH 5405 SP-5
100819

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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.
Species/Host	Mouse
Tested Applications	CLIA, FIA, LF
Alternative Names	Thyrotropin
Brand	Medix Biochemica
Form/Appeara	Liquid, may turn slightly opaque during storage
Concentratior	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	Mouse IgG2a
Clonality	Monoclonal
Epitope	Group 3
Purity	≥ 95 %
Buffer	0.9 % NaCl, 0.095 % NaN3 as a preservative
IEF Profile	6.2–7.1
Cross Reactivity	TSH a 9.3 %, hCG < 0.1 %, LH 0.47 %, FSH 1.8 %
Specificity	Antibody recognizes human thyrotropin and its free beta subunit
Matched Pairs	Following pairs are especially recommended for the below mentioned assays: CLIA: 5405 (capture) – 5409 (detection), 5407 – 5409 and 5409 – 5407 LF: 5405 (membrane) – 5409 (particles), 5407 – 5409, 5408 – 5405, 5408 – 5407, 5408 – 5409, 5409 – 5407
Shelf Life	36 months
References	Wu, F.-B., Han, S.-Q. and He, Y.-F. (22) Time-resolved immunofluorometry of serum hTSH with enhanced sensitivity. J. Immunoassay & Immunochem., 23(2):191-21