

Product Datasheet

Anti-h TSH 5404 SP-5 100026

Product Name	Anti-h TSH 5404 SP-5
Catalog Number	100026
Description	Monoclonal mouse antibody, cultured in vitro under conditions free from animal-derived components.
Tested Applications	LF, CLIA, FIA
Brand	Medix Biochemica
Form/Appearance	Liquid, may turn slightly opaque during storage
Concentration	5.0 mg/ml (+/- 10 %)
Storage	+2-8°C
Isotype	IgG1
Clonality	Monoclonal
Epitope	Group 1
Purity	≥ 95 %
Affinity constant	KA= 2.2 x 10 ¹⁰ 1/M; KD= 4.6 x 10 ⁻¹¹ M (= 0.05 nM)
Associated Products	Native TSH antigen 996-51
Buffer	0.9 % NaCl, 0.095 % NaN ₃ as a preservative
IEF Profile	6.6-7.2
Cross Reactivity	hCG < 0.05 %, LH 1.0 %, FSH 1.0 %
Specificity	Antibody recognizes human thyrotropin and its free beta subunit
Shelf Life	36 months
References	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. <i>Anal. Biochem.</i> , 396:242-249 Eskola, J., Mäkinen, P., Oksa, L., Loikas, K., Nauma, M., Jiang, Q., Håkansson, M., Suomi, J. and Kulmala, S. (2006) Competitive immunoassay by hot electron-induced electrochemiluminescence detection and using a semiautomatic electrochemiluminometer. <i>J. Luminesc.</i> , 118:238-244 Helenius, T. and Tikanoja, S. (1986) A sensitive and practical immunoradiometric assay of thyrotropin. <i>Clin. Chem.</i> 32:514-518 von Lode, P., Hagrén, V., Palenius, T. and Lövgren, T., (2003) One-step quantitative thyrotropin assay for the detection of hypothyroidism in point-of-care conditions. <i>Clin. Biochem.</i> , 36:121-128 Wu, F.-B., Han, S.-Q. and He, Y.-F. (2002) Time-resolved immunofluorometry of serum hTSH with enhanced sensitivity. <i>J. Immunoass. Immunochem.</i> , 23(2):191-210