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Product Datasheet

Anti-hCG 5016 SPRN-5
100013

Product Name	Anti-hCG 5016 SPRN-5
Catalog Number	100013
Description	Monoclonal mouse antibody, cultured in vitro under conditions free from animal-derived components.
Species/Host	Mouse
Tested Applications	CLIA, FIA
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	Beta-2 as described in Berger et al. (2013). The antibody recognizes both intact hCG and free ß subunit.
Purity	≥ 95 %
Affinity constant	hCG: KA= 1.6 x 10^{9} 1/M; KD= 6.4 x 10^{-10} M (= 0.64 nM) hCGβ: KA= 3.5 x 10^{8} 1/M; KD= 2.8 x 10^{-9} M (= 2.8 nM)
Buffer	37 mM citrate, 125 mM phosphate, pH 6.0, 0.9 % NaCl, 0.095 % NaN3 as a preservative
IEF Profile	6.2–6.8
Cross Reactivity	Does not recognize hCGa, LH, FSH, or TSH
Specificity	Antibody recognizes human chorionic gonadotropin and its free beta subunit
Shelf Life	36 months
References	Berger, P., Paus, E., Hemken, P.M., Sturgeon, C., Stewart, W.W., Skinner, J.P., Harwick, L.C., Saldana, S.C., Ramsay, C.S., Rupprecht, K.R., Olsen, K.H., Bidart, J.M. and Stenman, U.H. (213) Candidate epitopes for measurement of hCG and related molecules: the second ISOBM TD-7 workshop. Tumor Biol., 34: 433-457