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Product Datasheet

Anti-hCG beta 5009 SP-5 100008

Product Name	Anti-hCG beta 5009 SP-5
Catalog Number	100008
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	C-2 at the junction of a and ß subunits in hCG as described in Berger et al. (2013). The antibody recognizes intact hCG molecule (aß heterodimer).
Purity	≥ 95 %
Affinity constant	KA= 3.6 x 10^{9} 1/M; KD= 2.8 x 10^{-10} M (= 0.28 nM)
Buffer	0.9 % NaCl, 0.095 % NaN3 as a preservative
IEF Profile	6.3–6.7
Cross Reactivity	LH (KD = 1.2 nM). Does not recognize hCGa, FSH, or TSH
Specificity	Antibody recognizes human chorionic gonadotropin
Shelf Life	18 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