

Product Datasheet

Anti-hCG beta 5011 SPRN-5 101000

Product Name	Anti-hCG beta 5011 SPRN-5
Catalog Number	101000
Description	Monoclonal mouse antibody, cultured in vitro under conditions free from animal-derived components.
Tested Applications	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	The antibody recognizes both intact hCG and free β subunit. It does not recognize hCG β core fragment, as described in Berger et al (2013).
Purity	≥ 95 %
Affinity constant	hCG: $K_A = 5.5 \times 10^9$ 1/M; $K_D = 1.8 \times 10^{-10}$ M (= 0.18 nM) hCG β : $K_A = 1.8 \times 10^9$ 1/M; $K_D = 5.7 \times 10^{-10}$ M (= 0.57 nM)
Associated Products	Native hCG antigens 189-10 and 189-11, Native β -hCG antigen 325-11
Buffer	29 mM citrate, 142 mM phosphate, pH 6.5, 0.9 % NaCl, 0.095 % NaN ₃ as a preservative
IEF Profile	5.5-7.0
Cross Reactivity	Does not recognize LH
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. (2013) Candidate epitopes for measurement of hCG and related molecules: the second ISOBM TD-7 workshop. Tumor Biol., 34: 4033-4057