Medix Biochemica

Oy Medix Biochemica Ab
Headquarters
Klovinpellontie 3
FI-02180 Espoo
Finland
Email: sales@medixbiochemica.com

Medix Biochemica USA Inc.
10850 Metro Court
Maryland Heights, MO 63043
United States of America
Email: sales@medixbiochemica.com

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.
Tested Applications	CLIA, FIA
Brand	Medix Biochemica
Form/Appearanc	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 β 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)
Associated Products	**Native hCG antigens 189-10** and **189-11** **Native β-hCG antigen 325-11**
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 hCGα, 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. (2013) Candidate epitopes for measurement of hCG and related molecules: the second ISOBM TD-7 workshop. Tumor Biol., 34: 4033-4057