

Product Datasheet

Anti-hCG beta 5008 SP-5 100006

Product Name	Anti-hCG beta 5008 SP-5
Catalog Number	100006
Description	Monoclonal mouse antibody, cultured in vitro under conditions free from animal-derived components.
Tested Applications	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	Beta-2 as described in Berger et al. (2013). The antibody recognizes both intact hCG and free β subunit.
Purity	≥ 95 %
Affinity constant	hCG: $KA = 2.9 \times 10^{10}$ 1/M; $KD = 3.4 \times 10^{-11}$ M (= 0.03 nM) hCG β : $KA = 4.4 \times 10^9$ 1/M; $KD = 2.3 \times 10^{-10}$ M (= 0.23 nM)
Associated Products	Native hCG antigens, Lee Biosolutions 189-10 and 189-11 Native β -hCG antigen, Lee Biosolutions 325-11
Buffer	0.9 % NaCl, 0.095 % NaN ₃ as a preservative
IEF Profile	6.6 – 7.8
Cross Reactivity	Does not recognize hCG α , LH, FSH, or TSH
Specificity	Antibody recognizes human chorionic gonadotropin and its free beta subunit
Matched Pairs	Following pairs are especially recommended for free hCG beta CLIA assays: (capture) - (detection) hCG 5012 - hCG 5004 hCG 5012 - hCG 5008
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