

Product Datasheet

Anti-hCG beta 5009 SP-5 100008

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| 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. |
| 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 | C-2 at the junction of α and β subunits in hCG as described in Berger et al. (2013). The antibody recognizes intact hCG molecule ($\alpha\beta$ heterodimer). |
| Purity | ≥ 95 % |
| Affinity constant | $K_A = 3.6 \times 10^9$ 1/M; $K_D = 2.8 \times 10^{-10}$ M (= 0.28 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 | 6.3-6.7 |
| Cross Reactivity | LH (KD = 1.2 nM). Does not recognize hCG α , 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. (2013) Candidate epitopes for measurement of hCG and related molecules: the second ISOBM TD-7 workshop. Tumor Biol., 34: 4033-4057 |