
Monoclonal Antibody To Human beta-HCG

Human Chorionic Gonadotropin

Monoclonal antibody h 6 recognizes β -HCG, a well defined oncofetal protein of 36.7 kDa m.w. associated with pregnancy and some cancers. Raised serum levels for HCG are found in teratogenic carcinomas and trophoblastic tumors and occasionally in gastrointestinal, urogenital, bronchial or mammary carcinomas, and in lymphomas.

Product Number:	T-1322 (Lot 02PO1204)
Clone:	h 6
Host species, isotype:	Mouse IgG1
Quantity:	200 μ g
Format:	Affinity purified, lyophilized Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.4mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 5mg/ml bovine serum albumin (BSA) as a stabilizer and 0.01% Kathon as a preservative.
Stability:	Original vial: 1 year at 4° - 8°C Stock solution or aliquots thereof: 1 year at -20°C. Avoid repeated thawing and freezing.
Applications:	Tested for immunohistochemistry (IHC), has been described to work in ELISA. Approximate working dilution for IHC: Frozen sections: does not react on routinely processed frozen sections. Paraffin sections: 2 μ g/ml (1:200); Proteinase K pretreatment for antigen retrieval is recommended. Optimal dilutions should be determined by the end user. Suggested positive control: Human placenta. Please see www.bma.ch for protocols and general information.
Antigen, epitope:	Human gonadotropin is a glycoprotein of 36.7kDa consisting of two subunits. The α -chain (MW 14.5 kD) is common to three other glycoprotein hormones (TSH, FSH, LH) whereas the β -chain (22.2kD) is more different. The β -chain of HCG and LH (lutrophin) have sequence homology in the first 112 amino acids and differ at the C-terminal end consisting of 24 amino acids.

Selected references

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For in vitro research only.