
Monoclonal Antibody to Human C-Peptide Connecting-Peptide of Proinsulin

Monoclonal antibody C-PEP-01 reacts with the C-peptide of human proinsulin. In normal tissues it reacts with normal pancreatic islet β -cells. In tumor tissues it stains insulin secreting neoplasms (insulinomas). The antibody reacts with human proinsulin but not with insulin, glucagon or somatostatin, and recognizes the amino acid residues 8-13 and 25-31.

Product Number: T-1313 (Lot 01AO0111)

Clone: C-PEP-01

Host species, isotype: Mouse IgG1

Quantity: 500 μ g

Format: Diluted ascites, lyophilized

Reconstitute by adding 0.5ml distilled water. This stock solution contains 1mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 10mg/ml bovine serum albumin (BSA) as a stabilizer and 0.1% sodium azide 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: not tested

Paraffin sections: 0.2 μ g/ml (1:5000); no pretreatment necessary.

Optimal dilutions should be determined by the end user.

Suggested positive control: Human pancreas.

Please see **www.bma.ch** for protocols and general information.

Immunogen: C-peptide of human proinsulin.

Selected references

Hilgert, I. et al.: Hybridoma 10: 379-386 (1991).

For in vitro research only. Caution: this product contains sodium azide, a poisonous and hazardous substance.