



## Peninsula Laboratories, LLC

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### Monoclonal Antibody To Human Insulin

Monoclonal antibody IN-05 is specific for human insulin. It recognizes also porcine and bovine insulin. No cross-reactions were found with other serum proteins. The antibody can be used for the quantification of human insulin by RIA, and also for receptor-insulin interactions. In normal tissues, IN-05 reacts with normal pancreatic islet beta cells. In tumor tissues it stains insulin secreting neoplasms (insulinomas).

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<b>Product Number:</b>	T-1321
<b>Clone:</b>	IN-05
<b>Host species, isotype:</b>	Mouse IgG1
<b>Quantity:</b>	100µg
<b>Format:</b>	Affinity purified, lyophilized  Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.2mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 5mg/ml bovine serum albumin (BSA), and 0.09% sodium azide as a preservative.
<b>Stability:</b>	Original vial: 1 year at 4° - 8°C  Stock solution or aliquots thereof: 1 year at -20°C. Avoid repeated thawing and freezing.
<b>Applications:</b>	Tested for immunohistochemistry (IHC), has been described to work in RIA and receptor studies.  <b>Approximate working dilution for IHC:</b> Frozen sections: 0.2µg/ml (1:1000) Paraffin sections: 0.2µg/ml (1:1000); Pretreatment not necessary.  Optimal dilutions should be determined by the end user.  Suggested positive control: Human pancreas.

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#### Selected references

Horejsi V. et al.: Immunol. Lett. **8**, 279 (1984).

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