

AM08397HR-N**Monoclonal Antibody to Insulin - HRP**

Alternate names:	INS
Quantity:	50 µg
Concentration:	1 mg/ml
Background:	<p>Insulin is one of the major regulatory hormones of intermediate metabolism throughout the body. The biological actions of this hormone involve integration of carbohydrate, protein, and lipid metabolism. Insulin enhances membrane transport of glucose, amino acids, and certain ions. It also promotes glycogen storage, formation of triglycerides and synthesis of proteins and nucleic acids. Immunocytochemical investigations have localized insulin in the B cells of pancreatic islets of Langerhans. Deficiency of insulin results in diabetes mellitus, one of the leading causes of morbidity and mortality in the general population. Insulin is also present in tumors of B cell origin such as insulinoma.</p>
Uniprot ID:	P01308
NCBI:	NP_000198.1
GeneID:	3630
Host / Isotype:	Mouse / IgG1
Clone:	8E2
Immunogen:	Purified Human Insulin
Format:	State: Liquid purified Ig fraction Purification: Affinity Chromatography on Protein A Buffer System: PBS, pH 7.4 containing 0.05% Proclin300 Label: HRP – Horseradish Peroxidase
Applications:	ELISA. Immunohistochemistry on Paraffin Sections: 10 µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Recognizes human Insulin. Species cross-reactivity: human proinsulin, bovine insulin (30%) and porcine insulin. Does not cross-react with free C-peptide.
Species Reactivity:	Tested: Human
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Pictures:

AM08397HR-N Insulin Antibody staining of Formalin-Fixed, Paraffin-Embedded Human Pancreas at 10 µg/ml followed by biotinylated anti-mouse IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.

