

## Anti-Insulin Antibody (6L947)

## Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	6L947
Purification:	Protein A

## Applications

Verified Activity:	Immunochemical staining of human Insulin in human pancreas with rabbit monoclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.
Application:	ELISA,IHC-P
Recommended	ELISA: 1:5000-1:10000; IHC-P: 1:200-1:1000

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein: Human Insulin Protein (TMPY-00395)
Antigen Species:	Human
Synonyms:	insulin;IDDM;ILPR;IDDM2;MODY10;INS;IRDN;IDDM1

## Research Background

INS (Insulin) is a Protein Coding gene. This gene encodes insulin, a peptide hormone that plays a vital role in the regulation of carbohydrate and lipid metabolism. After removal of the precursor signal peptide, proinsulin is post-translationally cleaved into three peptides: the B chain and A chain peptides, which are covalently linked via two disulfide bonds to form insulin, and C-peptide. The binding of insulin to the insulin receptor (INSR) stimulates glucose uptake. Diseases associated with INS include Hyperproinsulinemia and Maturity-Onset Diabetes Of The Young, Type 10. A multitude of mutant alleles with phenotypic effects has been identified, including insulin-dependent diabetes mellitus, permanent neonatal diabetes mellitus, maturity-onset diabetes of the young type 10, and hyperproinsulinemia. Cancer Immunotherapy Immune Checkpoint Immunotherapy Targeted Therapy

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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