

Product datasheet for **TA364023**

Insulin (INS) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	This antibody has been tested and validated in ELISA against C-peptide. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide H-Glu-Ala-Glu-Asp-Leu-Gln-Val-Gly-Gln-Val-Glu- Leu- Gly-Gly-Gly-Pro-Gly-Ala-Gly-Ser-Leu-Gln-Pro-Leu-Ala-Leu- Glu-Gly-Ser- Leu-Gln-OH coupled to a carrier protein.
Formulation:	Protein A affinity purified from antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 0.2ml distilled water. This stock solution contains 2mg/ml IgG, phosphate buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative.
Concentration:	N/A
Conjugation:	Unconjugated
Storage:	Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
Gene Name:	insulin
Database Link:	Entrez Gene 3630 Human P01308
Background:	The connecting peptide, or C-peptide of human proinsulin, is a 31-amino-acid polypeptide that connects insulin's A-chain to its B-chain. In the context of diabetes or hypoglycemia, a measurement of C-peptide blood serum levels can be used to distinguish between different conditions with similar clinical features. In normal tissues, the antigen is found in pancreatic islet β -cells. C-peptide has been found to be a bioactive peptide in its own right, with effectson microvascular blood flow and tissue health. This antibody was generated by immunization of rabbits with C-peptide coupled to a carrier protein.
Synonyms:	ILPR; insulin; IRDN; OTTHUMP00000011162; OTTHUMP00000196038; proinsulin



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