

## **Product datasheet for TA364375**

## OriGene Technologies, Inc.

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## **Insulin (INS) Guinea Pig Polyclonal Antibody**

## **Product data:**

**Product Type:** Primary Antibodies

**Applications:** ELISA

**Recommended Dilution:** This antibody has been tested and validated in ELISA against Insulin. 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: Guinea Pig
Clonality: Polyclonal

Immunogen: Synthetic peptide A-chain: Gly-lle-Val-Glu-Gln-Cys-Cys-Thr-Ser-lle-Cys- Ser-Leu-Tyr-Gln-Leu-

Glu-Asn-Tyr-Cys-Asn; B-chain: Phe-Val-Asn-Gln- His-Leu-Cys-Gly-Ser-His-Leu-Val-Glu-Ala-Leu-Tyr-Leu-Val-Cys-Gly-Glu- Glu-Arg-Gly-Phe-Phe-Tyr-Pro-Lys-Thr (Disulfide bonds between Cys7

and Cys7/Cys20 and Cys19), coupled to 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

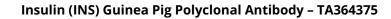
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**Background:** Insulin is a 51-amino acid peptide hormone produced by beta cells of the pancreatic islets. It

is a combination of two peptide chains named A-chain (21-amino acids) and B-chain (30-amino acids), which are linked by two disulfide bonds. Insulin regulates the metabolism of carbohydrates by promoting the absorption of glucose from the blood into liver. It is also involved in the protein synthesis of skeletal muscle as well as fat tissue through the tyrosine kinase receptor pathway. This antibody was generated by immunization of guinea pigs with

Insulin coupled to a carrier protein.







Synonyms:

ILPR; insulin; IRDN; OTTHUMP0000011162; OTTHUMP00000196038; proinsulin