

## Product datasheet for **AP31590PU-S**

### Insulin (INS) Sheep Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	<b>ELISA.</b>
Reactivity:	Human
Host:	Sheep
Clonality:	Polyclonal
Immunogen:	C-Peptide conjugate EAEDLQVGQVKKKC- KLH
Specificity:	Recognizes Human C-Peptide.
Formulation:	PBS, pH 7.4 containing 0.09% Sodium Azide as preservative State: Aff - Purified State: Lyophilized purified Ig fraction
Reconstitution Method:	Restore in aqua bidest to 1.0 mg/ml
Purification:	Affinity Chromatography against target peptide and cross adsorbed on an affinity column of immobilised Mouse immunoglobulin
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C and reconstituted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	insulin
Database Link:	<a href="#">Entrez Gene 3630 Human P01308</a>
Background:	C-Peptide is part of the molecule of Proinsulin, that consists of three parts: C Peptide and two long strands of amino acids (called the alpha and beta chains) that later become linked together to form the insulin molecule. From every molecule of proinsulin, one molecule of insulin plus one molecule of C Peptide are produced C Peptide is released into the bloodstream in equal amounts to insulin. A test of C Peptide levels will show how much insulin the body is making.
Synonyms:	INS



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<b>Protein Families:</b>	Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein
<b>Protein Pathways:</b>	Insulin signaling pathway, Maturity onset diabetes of the young, mTOR signaling pathway, Oocyte meiosis, Progesterone-mediated oocyte maturation, Prostate cancer, Regulation of actin cytoskeleton, Regulation of autophagy, Type I diabetes mellitus, Type II diabetes mellitus