

Product datasheet for **AM20632PU-N**

Insulin (INS) Mouse Monoclonal Antibody [Clone ID: ISL-8J]

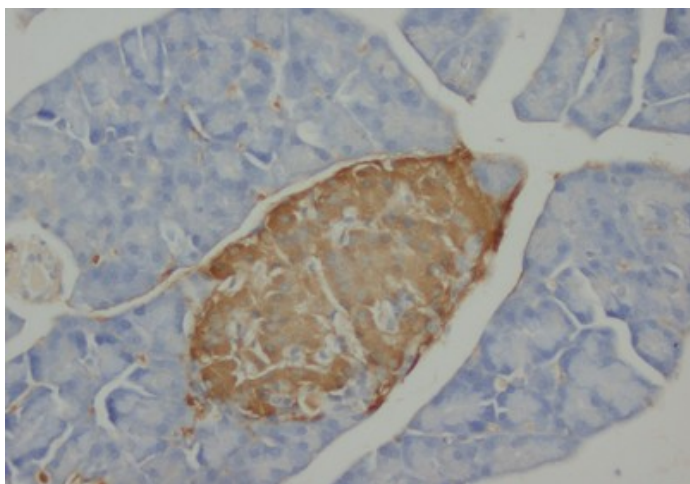
Product data:

Product Type:	Primary Antibodies
Clone Name:	ISL-8J
Applications:	IHC
Recommended Dilution:	Immunohistochemistry on Paraffin Sections: Use at 0.4-1 µg/ml to detect Insulin in formalin fixed and paraffin embedded tissues.
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody recognizes Insulin.
Formulation:	1.2% Sodium Acetate, with 2mg BSA and 0.01mg Sodium Azide State: Purified State: Lyophilized purified IgG fraction
Reconstitution Method:	Restore with 1.2% Sodium Acetate or neutral PBS
Concentration:	0.1 mg/ml (after reconstitution with 1ml PBS)
Purification:	by goat anti-mouse IgG affinity Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody after reconstitution at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	insulin
Database Link:	Entrez Gene 3630 Human P01308



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Background:	Insulin, synthesized by the beta cells of the islets of Langerhans, consists of 2 dissimilar polypeptide chains, A and B, which are linked by 2 disulfide bonds. The insulin gene contains 3 exons and 2 introns; exon 2 encodes the signal peptide, the B chain, and part of the C peptide, while exon 3 encodes the remainder of the C peptide and the A chain. Localization of the human insulin gene to the distal end of the short arm of chromosome 11. Harper et al. (1981) and Harper and Saunders (1981) assigned the insulin gene to 11p15.5 by in situ hybridization.
Synonyms:	INS
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein
Protein Pathways:	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

Product images:

Immunohistochemistry on Rat pancreas sections