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## Product Datasheet

### Human Islet Amyloid Polypeptide (IAPP) ELISA Kit BYT-ORB1946854

Article Name	Human Islet Amyloid Polypeptide (IAPP) ELISA Kit
Biozol Catalog Number	BYT-ORB1946854
Supplier Catalog Number	orb1946854
Alternative Catalog Number	BYT-ORB1946854-48,BYT-ORB1946854-96
Manufacturer	Biorbyt
Category	Kits/Assays
Species Reactivity	Human
Product Description	Human Islet Amyloid Polypeptide (IAPP) ELISA Kit...
Range	62.5-4000pg/mL
Sensitivity	37.5 pg/mL
UniProt	<a href="#">P10997</a>
Samples	serum, plasma, Tissue homogenate and Other biological samples
Target	IAPP

Application Notes

Application Notes: This ELISA kit uses the Competitive-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with Human IAPP. During the reaction, Human IAPP in the sample or standard competes with a fixed amount of Human IAPP on the solid phase supporter for sites on the Biotinylated Detection Ab specific to Human IAPP. Excess conjugate and unbound sample or standard are washed away, and Avidin-Horseradish Peroxidase (HRP) conjugate are added to each micro plate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns from blue to yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm  $\pm$  2 nm. The concentration of Human IAPP in tested samples can be calculated by comparing the OD of the samples to the standard curve