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## Product Datasheet

### Human Apelin (APLN) ELISA Kit BYT-ORB1807120

Article Name	Human Apelin (APLN) ELISA Kit
Biozol Catalog Number	BYT-ORB1807120
Supplier Catalog Number	orb1807120
Alternative Catalog Number	BYT-ORB1807120-48,BYT-ORB1807120-96
Manufacturer	Biorbyt
Category	Kits/Assays
Species Reactivity	Human
Product Description	Human Apelin (APLN) ELISA Kit...
Range	62.5-4000pg/mL
Sensitivity	25.2 pg/mL
UniProt	<a href="#">Q9ULZ1</a>
Samples	plasma, serum
Target	APLN

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 APLN. During the reaction, Human APLN in the sample or standard competes with a fixed amount of Human APLN on the solid phase supporter for sites on the Biotinylated Detection Ab specific to Human APLN. 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 APLN in tested samples can be calculated by comparing the OD of the samples to the standard curve