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## Product Datasheet

### Human Apelin 36 (AP36) ELISA Kit BYT-ORB1807121

Article Name	Human Apelin 36 (AP36) ELISA Kit
Biozol Catalog Number	BYT-ORB1807121
Supplier Catalog Number	orb1807121
Alternative Catalog Number	BYT-ORB1807121-48,BYT-ORB1807121-96
Manufacturer	Biorbyt
Category	Kits/Assays
Species Reactivity	Human
Product Description	Human Apelin 36 (AP36) ELISA Kit...
Range	46.88-3000pg/mL
Sensitivity	15.2 pg/mL
UniProt	<a href="#">Q9ULZ1</a>
Samples	serum, plasma, Tissue homogenate and Other biological samples
Target	AP36

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 AP36. During the reaction, Human AP36 in the sample or standard competes with a fixed amount of Human AP36 on the solid phase supporter for sites on the Biotinylated Detection Ab specific to Human AP36. 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 AP36 in tested samples can be calculated by comparing the OD of the samples to the standard curve