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## Product Datasheet

### Human Thymosin Beta 4 (TMSbeta4) ELISA Kit BYT-ORB1946817

Article Name	Human Thymosin Beta 4 (TMSbeta4) ELISA Kit
Biozol Catalog Number	BYT-ORB1946817
Supplier Catalog Number	orb1946817
Alternative Catalog Number	BYT-ORB1946817-48,BYT-ORB1946817-96
Manufacturer	Biorbyt
Category	Kits/Assays
Species Reactivity	Human
Product Description	Human Thymosin Beta 4 (TMSbeta4) ELISA Kit...
Range	31.25-2000ng/mL
Sensitivity	18.75 ng/mL
UniProt	<a href="#">P62328</a>
Samples	serum, plasma, Tissue homogenate and Other biological samples
Target	TMSbeta4

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 TMSbeta4. During the reaction, Human TMSbeta4 in the sample or standard competes with a fixed amount of Human TMSbeta4 on the solid phase supporter for sites on the Biotinylated Detection Ab specific to Human TMSbeta4. 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 TMSbeta4 in tested samples can be calculated by comparing the OD of the samples to the standard curve