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Product Datasheet

Human Superoxide Dismutase 2, Mitochondrial (SOD2) ELISA Kit BYT-ORB1807204

Article Name	Human Superoxide Dismutase 2, Mitochondrial (SOD2) ELISA Kit
Biozol Catalog Number	BYT-ORB1807204
Supplier Catalog Number	orb1807204
Alternative Catalog Number	BYT-ORB1807204-48,BYT-ORB1807204-96
Manufacturer	Biorbyt
Category	Kits/Assays
Species Reactivity	Human
Product Description	Human Superoxide Dismutase 2, Mitochondrial (SOD2) ELISA Kit...
Range	0.31-20ng/mL
Sensitivity	0.16 ng/mL
UniProt	P04179
Samples	Tissue homogenate and Cell lysate
Target	SOD2

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 SOD2. During the reaction, Human SOD2 in the sample or standard competes with a fixed amount of Human SOD2 on the solid phase supporter for sites on the Biotinylated Detection Ab specific to Human SOD2. 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 SOD2 in tested samples can be calculated by comparing the OD of the samples to the standard curve
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