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Product Datasheet

Mouse Superoxide Dismutase 2, Mitochondrial (SOD2) ELISA Kit BYT-ORB1946775

Article Name	Mouse Superoxide Dismutase 2, Mitochondrial (SOD2) ELISA Kit
Biozol Catalog Number	BYT-ORB1946775
Supplier Catalog Number	orb1946775
Alternative Catalog Number	BYT-ORB1946775-48,BYT-ORB1946775-96
Manufacturer	Biorbyt
Category	Kits/Assays
Species Reactivity	Mouse
Product Description	Mouse Superoxide Dismutase 2, Mitochondrial (SOD2) ELISA Kit...
Range	0.32-20ng/mL
Sensitivity	0.19 ng/mL
UniProt	P09671
Samples	serum, plasma, Tissue homogenate and Other biological samples
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 Mouse SOD2. During the reaction, Mouse SOD2 in the sample or standard competes with a fixed amount of Mouse SOD2 on the solid phase supporter for sites on the Biotinylated Detection Ab specific to Mouse 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 Mouse SOD2 in tested samples can be calculated by comparing the OD of the samples to the standard curve