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Product Datasheet

Rat Superoxide Dismutase 2, Mitochondrial (SOD2) ELISA Kit BYT-ORB780033

Artikelname	Rat Superoxide Dismutase 2, Mitochondrial (SOD2) ELISA Kit
Artikelnummer	BYT-ORB780033
Hersteller Artikelnummer	orb780033
Alternativnummer	BYT-ORB780033-48, BYT-ORB780033-96
Hersteller	Biorbyt
Kategorie	Kits/Assays
Applikation	ELISA
Spezies Reaktivität	Rat
Produktbeschreibung	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Superoxide Dismutase 2, Mitochondrial(SOD2)....
Konzentration	2000 pg/mL
Detektionsbereich	31.25-2000 pg/mL
Sensitivitaet	14.7 pg/mL
UniProt	P07895
Proben	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids

Anwendungsbeschreibung

Application Notes: standard: 2000 pg/mL. Test principle: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Rat SOD2. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat SOD2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Rat SOD2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm 10nm. The concentration of Rat SOD2 in the samples is then determined by comparing the OD of the samples to the standard curve