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Product Datasheet

Rat Sirtuin 1 (SIRT1) ELISA Kit BYT-ORB780035

Article Name	Rat Sirtuin 1 (SIRT1) ELISA Kit
Biozol Catalog Number	BYT-ORB780035
Supplier Catalog Number	orb780035
Alternative Catalog Number	BYT-ORB780035-48, BYT-ORB780035-96
Manufacturer	Biorbyt
Category	Kits/Assays
Application	ELISA
Species Reactivity	Rat
Product Description	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 Sirtuin 1(SIRT1)....
Concentration	20 ng/mL
Range	0.32-20 ng/mL
Sensitivity	0.13 ng/mL
UniProt	A0A0G2JZ79
Samples	Tissue homogenates, cell lysates and other biological fluids

Application Notes

Application Notes: standard: 20 ng/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 SIRT1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat SIRT1. 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 SIRT1, 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 SIRT1 in the samples is then determined by comparing the OD of the samples to the standard curve