

Product Datasheet

Mouse SIRT1(Sirtuin 1) ELISA Kit (orb1807806)

Description	Mouse SIRT1(Sirtuin 1) ELISA Kit
Reactivity	Mouse
Range	0.16-10ng/mL
Target	SIRT1
Note	For research use only
Application notes	This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Mouse SIRT1. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Mouse SIRT1 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Mouse SIRT1, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm $\pm$ 2 nm. The OD value is proportional to the concentration of Mouse SIRT1. You can calculate the concentration of Mouse SIRT1 in the samples by comparing the OD of the samples to the standard curve.
Sample Types	Tissue homogenate, Cell lysate
Sensitivity	0.10 ng/mL
Expiration Date	Please enquire.

