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Product Datasheet

Rat O-6-Methylguanine DNA Methyltransferase (MGMT) ELISA Kit BYT-ORB781003

Article Name	Rat O-6-Methylguanine DNA Methyltransferase (MGMT) ELISA Kit
Biozol Catalog Number	BYT-ORB781003
Supplier Catalog Number	orb781003
Alternative Catalog Number	BYT-ORB781003-48, BYT-ORB781003-96
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 O-6-Methylguanine DNA Methyltransferase(MGMT)....
Concentration	5000 pg/mL
Range	78.13-5000 pg/mL
Sensitivity	27 pg/mL
UniProt	P24528
Samples	Tissue homogenates and other biological fluids.

Application Notes

Application Notes: standard: 5000 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 MGMT. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat MGMT. 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 MGMT, 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 MGMT in the samples is then determined by comparing the OD of the samples to the standard curve