

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

## Product Datasheet

### Rat Alkaline Sphingomyelinase (Alk-Smase) ELISA Kit BYT-ORB776493

Article Name	Rat Alkaline Sphingomyelinase (Alk-Smase) ELISA Kit
Biozol Catalog Number	BYT-ORB776493
Supplier Catalog Number	orb776493
Alternative Catalog Number	BYT-ORB776493-48, BYT-ORB776493-96
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 Alkaline Sphingomyelinase(Alk-Smase)....
Concentration	10 ng/mL
Range	0.16-10 ng/mL
Sensitivity	0.046 ng/mL
UniProt	<a href="#">Q5EZ72</a>
Samples	Tissue homogenates and other biological fluids.

Application Notes

Application Notes: standard: 10 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 Alk-Smase. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat Alk-Smase. 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 Alk-Smase, 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 Alk-Smase in the samples is then determined by comparing the OD of the samples to the standard curve