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## Product Datasheet

### Rat Glutamine synthetase (GS) ELISA Kit BYT-ORB1948643

Article Name	Rat Glutamine synthetase (GS) ELISA Kit
Biozol Catalog Number	BYT-ORB1948643
Supplier Catalog Number	orb1948643
Alternative Catalog Number	BYT-ORB1948643-48,BYT-ORB1948643-96
Manufacturer	Biorbyt
Category	Kits/Assays
Species Reactivity	Rat
Product Description	Rat Glutamine synthetase (GS) ELISA Kit...
Range	15.63-1000pg/mL
Sensitivity	9.38 pg/mL
UniProt	<a href="#">P09606</a>
Samples	serum, plasma, Tissue homogenate and Other biological samples
Target	GS

Application Notes

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 Rat GS. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Rat GS 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 Rat GS, 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 Rat GS. You can calculate the concentration of Rat GS in the samples by comparing the OD of the samples to the standard curve