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## Product Datasheet

### Rat Antibacterial Protein LL-37 (LL-37) ELISA Kit BYT-ORB2667454

Article Name	Rat Antibacterial Protein LL-37 (LL-37) ELISA Kit
Biozol Catalog Number	BYT-ORB2667454
Supplier Catalog Number	orb2667454
Alternative Catalog Number	BYT-ORB2667454-48,BYT-ORB2667454-96
Manufacturer	Biorbyt
Category	Kits/Assays
Species Reactivity	Rat
Product Description	Rat Antibacterial Protein LL-37 (LL-37) ELISA Kit...
Range	0.79-50 ng/mL
Sensitivity	0.23 ng/mL
Samples	serum, plasma and other biological fluids

Application Notes

Application Notes: standard: 50 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 LL-37. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat LL-37. 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 LL-37, 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 LL-37 in the samples is then determined by comparing the OD of the samples to the standard curve