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Product Datasheet

Human Mothers Against Decapentaplegic Homolog 3 (Smad3) ELISA Kit BYT-ORB781326

Article Name	Human Mothers Against Decapentaplegic Homolog 3 (Smad3) ELISA Kit
Biozol Catalog Number	BYT-ORB781326
Supplier Catalog Number	orb781326
Alternative Catalog Number	BYT-ORB781326-48, BYT-ORB781326-96
Manufacturer	Biorbyt
Category	Kits/Assays
Application	ELISA
Species Reactivity	Human
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 Mothers Against Decapentaplegic Homolog 3(Smad3)....
Concentration	40 ng/mL
Range	0.63-40 ng/mL
Sensitivity	0.249 ng/mL
UniProt	P84022
Samples	tissue homogenates, cell lysates and other biological fluids

Application Notes

Application Notes: standard: 40 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 Human Smad3. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human Smad3. 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 Human Smad3, 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 Human Smad3 in the samples is then determined by comparing the OD of the samples to the standard curve