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Product Datasheet

Human FTO(Alpha-ketoglutaRate-dependent dioxygenase FTO) Microsample ELISA Kit BYT-ORB2997317

Article Name	Human FTO(Alpha-ketoglutaRate-dependent dioxygenase FTO) Microsample ELISA Kit
Biozol Catalog Number	BYT-ORB2997317
Supplier Catalog Number	orb2997317
Alternative Catalog Number	BYT-ORB2997317-48,BYT-ORB2997317-96
Manufacturer	Biorbyt
Category	Kits/Assays
Species Reactivity	Human
Product Description	Human FTO(Alpha-ketoglutaRate-dependent dioxygenase FTO) Microsample ELISA Kit...
Range	0.16-10 ng/mL
Sensitivity	0.059 ng/mL
UniProt	Q9C0B1
Samples	serum, plasma and other biological fluids

Application Notes

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