

Product Datasheet

Human Catalase (CAT) ELISA Kit (orb775183)

Catalog Number	orb775183
Category	Assays and Kits
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 Catalase(CAT).
Reactivity	Human
Concentration	20 U/mL
UniProt ID	P04040
Tested applications	ELISA
Application notes	standard: 20 U/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 CAT. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human CAT. 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 CAT, 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 \pm 10nm. The concentration of Human CAT in the samples is then determined by comparing the OD of the samples to the standard curve
Assay Type	Sandwich
Assay Time	3.5h
Range	0.32-20 U/mL

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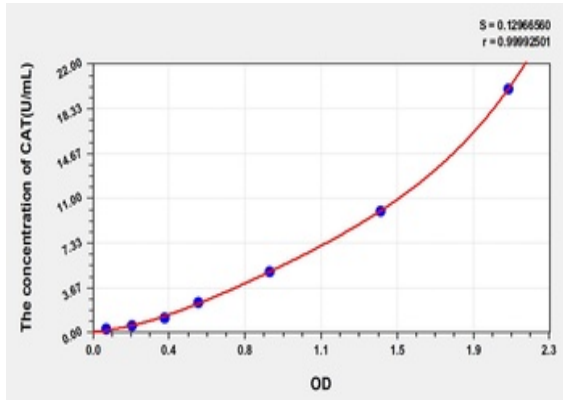
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Sensitivity	0.127 U/mL
Sample Types	serum, plasma, tissue homogenates and other biological fluids
Note	For research use only
Expiration Date	6 months from date of receipt.

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