

Product Datasheet

Human Extracellular Signal Regulated Kinase 2 (ERK2) ELISA Kit (orb775801)

Catalog Number	orb775801
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 Extracellular Signal Regulated Kinase 2(ERK2).
Reactivity	Human
Concentration	3000 pg/mL
UniProt ID	P28482
Tested applications	ELISA
Application notes	standard: 3000 pg/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 ERK2. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human ERK2. 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 ERK2, 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 ERK2 in the samples is then determined by comparing the OD of the samples to the standard curve
Assay Type	Sandwich
Assay Time	3.5h

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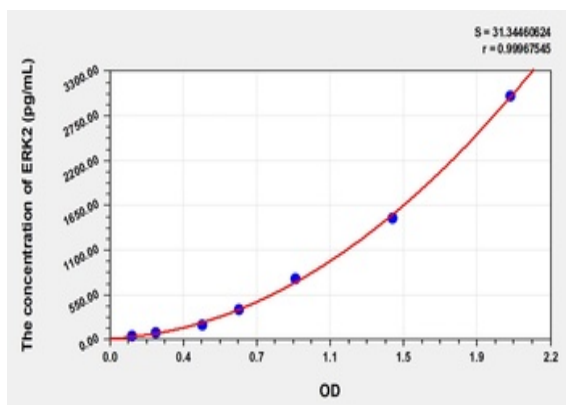
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Range	46.88-3000 pg/mL
Sensitivity	18.08 pg/mL
Sample Types	serum, plasma, tissue homogenates and other biological fluids
Note	For research use only
Expiration Date	Please enquire.

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