

ELISA Kit for Extracellular Signal Regulated Kinase 2 (ERK2)

Catalog No: tcue678

Available Sizes

Size: 96T



Research Area: Signal transduction;Enzyme & Kinase;Tumor immunity;

Species Reactivity:

Homo sapiens (Human)

Sample Type:

serum, plasma, tissue homogenates and other biological fluids

Sensitivity:

The minimum detectable dose of this kit is typically less than 18.29pg/mL

Detection Range:

46.88-3,000pg/mL

Assay Time: 3h

Detection Method:

Enzyme-linked immunosorbent assay for Antigen Detection.

Tested Application:

ELISA

SwissProt:

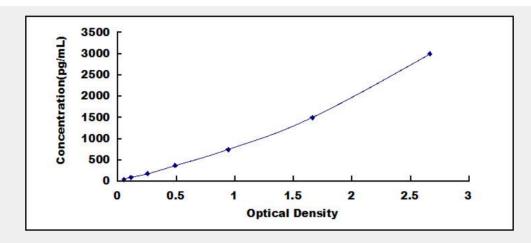
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Test Principle

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 Extracellular Signal Regulated Kinase 2 (ERK2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Extracellular Signal Regulated Kinase 2 (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 Extracellular Signal Regulated Kinase 2 (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 ± 10 nm. The concentration of Extracellular Signal Regulated Kinase 2 (ERK2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.



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