

ELISA Kit for Vascular Endothelial Growth Factor A (VEGFA)

Catalog No: tcue805

Available Sizes

Size: 96T



Research Area: Cytokine;Apoptosis;Tumor immunity;

Species Reactivity:

Chicken (Gallus)

Sample Type:

Serum, plasma and other biological fluids.

Sensitivity:

The minimum detectable dose of this kit is typically less than 6.4pg/mL

Detection Range:

15.6-1,000pg/mL

Assay Time: 3h

Detection Method:

Enzyme-linked immunosorbent assay for Antigen Detection.

Tested Application:

ELISA

SwissProt:

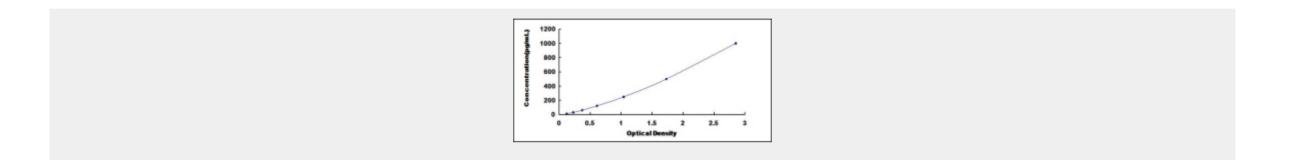
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Test Principle

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 Vascular Endothelial Growth Factor A (VEGFA). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Vascular Endothelial Growth Factor A (VEGFA). 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 Vascular Endothelial Growth Factor A (VEGFA), 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 Vascular Endothelial Growth Factor A (VEGFA) in the samples is then determined by comparing the O.D. of the samples to the standard curve.



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