

ELISA Kit for Toll Like Receptor 3 (TLR3) Catalog No: tcue1854

Available Sizes

Size: 96T

Specifications

Research Area:

Signal transduction;Tumor immunity;Infection immunity;Immune molecule;Pulmonology;

Species Reactivity:

Homo sapiens (Human)

Sample Type:

tissue homogenates, cell lysates and other biological fluids

Sensitivity:

The minimum detectable dose of this kit is typically less than 0.055ng/mL

Detection Range:

0.156-10ng/mL

Assay Time:

3h

Detection Method:

Enzyme-linked immunosorbent assay for Antigen Detection.

Tested Application:

ELISA

SwissProt:

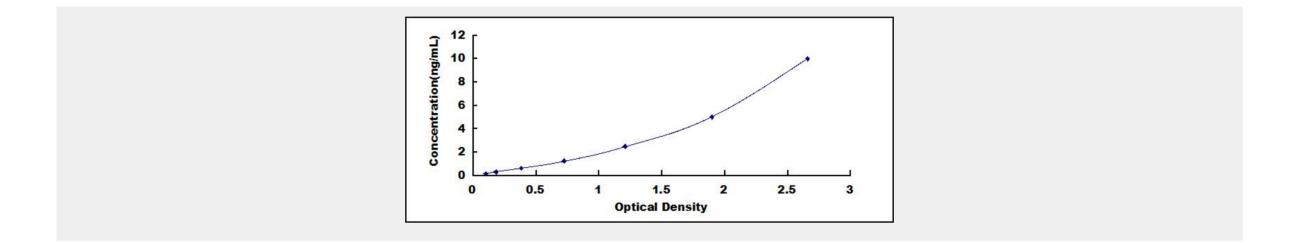
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Test Principle

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 Toll Like Receptor 3 (TLR3). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Toll Like Receptor 3 (TLR3). 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 Toll Like Receptor 3 (TLR3), 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 Toll Like Receptor 3 (TLR3) in the samples is then determined by comparing the O.D. of the samples to the standard curve.



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