

# Human TLR4 (Toll-Like Receptor 4) ELISA Kit

Catalog No: tcee1313



## Available Sizes

**Size:** 96T



## Specifications

**Research Area:**

Microbiology, Immunology, Cardiovascular, Cancer

**Species Reactivity:**

Human

**Sample Type:**

Serum, plasma and other biological fluids

Sample Volume: 100μL

**Assay Type:**

Sandwich

**Sensitivity:**

18.75 pg/mL

**Detection Range:**

31.25—2000 pg/mL

**Assay Time:**

3.5h

**Detection Method:**

Colorimetric

**Tested Application:**

ELISA

**Storage Instruction:**

An unopened kit can be stored at 4°C for 1 month. If the kit is not used within 1 month, store the items separately according to the detailed information on the manual once the kit is received.

**Alternative Names:**

TLR-4, ARMD10, CD284, TOLL, hToll

**SwissProt:**

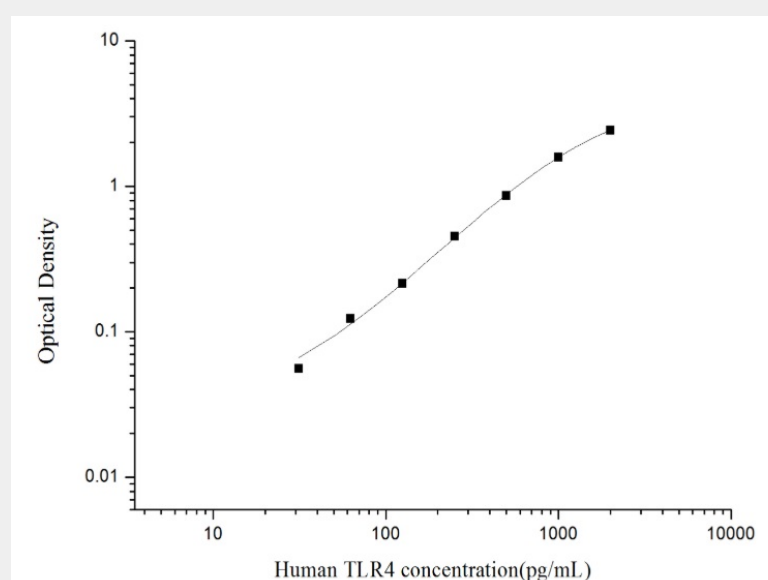
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**Notes**

Specificity: This kit recognizes Human TLR4 in samples. No significant cross-reactivity or interference between Human TLR4 and analogues was observed. Reproducibility: Both intra-CV and inter-CV are < 10%.

**Product Description**

This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human TLR4. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Human TLR4 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human TLR4, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm  $\pm$  2 nm. The OD value is proportional to the concentration of Human TLR4. You can calculate the concentration of Human TLR4 in the samples by comparing the OD of the samples to the standard curve.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!