

Human Toll Like Receptor4 ELISA Kit | TLR4 elisa kit

Human Toll Like Receptor4 ELISA Kit

CATALOG #
AAA16385

REACTIVITY
Human

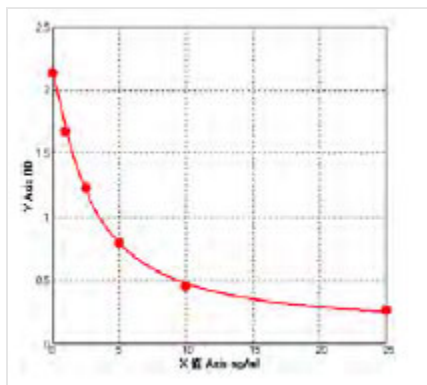
PRODUCT SYNONYMS

Toll Like Receptor4; Human Toll Like Receptor4 ELISA Kit; TLR4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of TLR-4. No significant cross-reactivity or interference between TLR-4 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between TLR-4 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive or Sandwich
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TLR4 elisa kit	Intended Uses: This TLR-4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human TLR-4. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: TLR-4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-TLR-4 antibody and an TLR-4-HRP conjugate. The assay sample and buffer are incubated together with TLR-4-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the TLR-4 concentration since TLR-4 from samples and TLR-4-HRP conjugate compete for the anti-TLR-4 antibody binding site. Since the number of sites is limited, as more sites are occupied by TLR-4 from the sample, fewer sites are left to bind TLR-4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TLR-4 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for TLR4 elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	260401829
Molecular Weight	6,356 Da
NCBI Official Full Name	TLR4, partial
UniProt Protein Name	TLR4
UniProt Gene Name	TLR4
UniProt Entry Name	D0EL75_BUBBU

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.