

Mouse Toll Like Receptor 4 (TLR4) CLIA Kit | TLR4 clia kit

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CATALOG # AAA188972	REACTIVITY Mouse	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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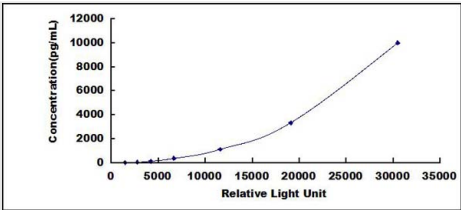
PRODUCT SYNONYMS

Toll Like Receptor 4 (TLR4); Mouse Toll Like Receptor 4 (TLR4) CLIA Kit; Toll Like Receptor 4; CD284; TOLL; HToll; TLR4 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Toll Like Receptor 4 (TLR4). No significant cross-reactivity or interference between Toll Like Receptor 4 (TLR4) and analogues was observed.
Sequence Length	835
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	13.7-10,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 5.5pg/mL
Applicable Applications for TLR4 clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Toll Like Receptor 4 (TLR4) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Toll Like Receptor 4 (TLR4) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to Toll Like Receptor 4 (TLR4). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Toll Like Receptor 4 (TLR4). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Toll Like Receptor 4 (TLR4) level in the sample or standard.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	10946594
NCBI GeneID	21898
NCBI Accession #	NP_067272.1
NCBI GenBank Nucleotide #	NP_067272.1
UniProt Accession #	Q9QUK6
NCBI Official Full Name	toll-like receptor 4
NCBI Official Synonym Full Names	toll-like receptor 4
NCBI Official Symbol	Tlr4
NCBI Official Synonym Symbols	Lps; Ly87; Ran/M1; Rasi2-8
NCBI Protein Information	toll-like receptor 4
UniProt Protein Name	Toll-like receptor 4
UniProt Gene Name	Tlr4
UniProt Synonym Gene Names	Lps
UniProt Entry Name	TLR4_MOUSE

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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-clia-kits/toll-like-receptor-4-tlr4/188972>