

Rat Toll Like Receptor 2 (TLR2) ELISA Kit | TLR2 elisa kit

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CATALOG #
AAA183768

REACTIVITY
Rat

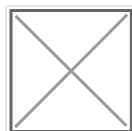
PRODUCT SYNONYMS

Toll Like Receptor 2 (TLR2); Rat Toll Like Receptor 2 (TLR2) ELISA Kit; CD282; TIL4; Toll/interleukin-1 receptor-like protein 4; TLR2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of TLR2. No significant cross-reactivity or interference between TLR2 and analogues was observed.
Sequence Length	784
Samples	Rat tissue homogenates, cell lysates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	< 0.119ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TLR2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level TLR2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	<p>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.</p> <p>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.</p>

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TLR2 elisa kit	<p>Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of TLR2 in rat tissue homogenates, cell lysates and other biological fluids.</p> <p>Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to TLR2. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to TLR2. 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 TLR2, 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 +/- 10nm. The concentration of TLR2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p>
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NCBI AND UNIPROT INFORMATION

NCBI GI #	20140434
NCBI GeneID	7097
UniProt Accession #	O60603; O15454; Q8NI00; B3Y612; D1CS45; D1CS48; D1CS49
Molecular Weight	89,838 Da
NCBI Official Full Name	Toll-like receptor 2
NCBI Official Synonym Full Names	toll like receptor 2
NCBI Official Symbol	TLR2
NCBI Official Synonym Symbols	TIL4; CD282
NCBI Protein Information	toll-like receptor 2
UniProt Protein Name	Toll-like receptor 2
UniProt Gene Name	TLR2
UniProt Synonym Gene Names	TIL4

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.