

Human TLR2 ELISA Kit | TLR2 elisa kit

Human TLR2 PicoKine ELISA Kit

CATALOG #
AAA45315

REACTIVITY
Human

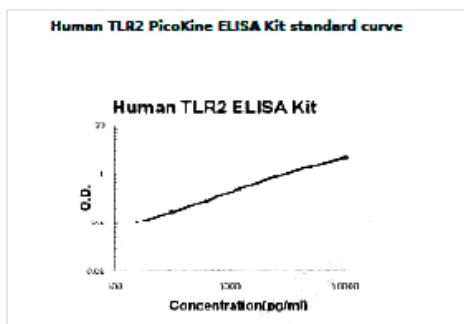
PRODUCT SYNONYMS

TLR2; Human TLR2 PicoKine ELISA Kit; Toll-like receptor 2; toll-like receptor 2; CD_antigen; CD282; TIL4; Toll like receptor 2; Toll/interleukin 1 receptor like protein 4; TLR2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human TLR2
Sequence Length	784
Samples	Cell culture supernatants, cell lysates, serum and plasma (heparin, edta)
Detection Range	156pg/ml-10,000pg/ml
Sensitivity	<10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TLR2 elisa kit	Principle of the Assay: The Picokine™ Human TLR2 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human TLR2 with a 96-well strip plate that is pre-coated with antibody specific for TLR2. The detection antibody is a biotinylated antibody specific for TLR2. The capture antibody is monoclonal antibody from mouse, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human TLR2 with immunogen: Expression system for standard: NSO; Immunogen sequence: E21-L590. The kit is analytically validated with ready to use reagents. To measure Human TLR2, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Human TLR2 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human TLR2 in the sample. Background/Introduction: Toll-like receptor 2 also known as TLR-2 is a protein that in humans is encoded by the TLR2 gene. TLR2 has also been designated as CD282(cluster of differentiation 282). TLR-2 plays a role in the immune system. TLR-2 is a membrane protein, a receptor, which is expressed on the surface of certain cells and recognizes foreign substances and passes on appropriate signals to the cells of the immune system. TLR2 expresses as 4- and 4.4-kb mRNAs in heart, brain, and muscle..
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NCBI AND UNIPROT INFORMATION

NCBI GeneID	7097
UniProt Accession #	B3KWR9; O60603
Molecular Weight	89,826 Da
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; toll/interleukin 1 receptor-like 4; toll/interleukin-1 receptor-like protein 4
UniProt Protein Name	Toll-like receptor
UniProt Entry Name	B3KWR9_HUMAN

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.