

Human TLR1 ELISA Kit | TLR1 elisa kit

Human TLR1 PicoKine ELISA Kit

CATALOG #
AAA45988

REACTIVITY
Human

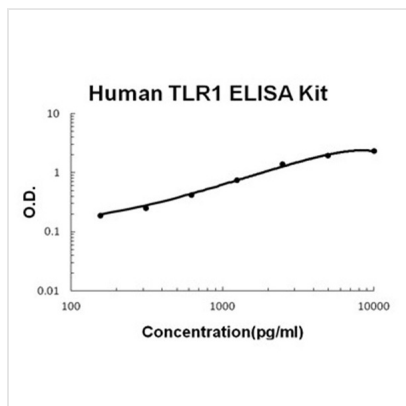
PRODUCT SYNONYMS

TLR1; Human TLR1 PicoKine ELISA Kit; Toll-like receptor 1; toll-like receptor 1; CD281; CD281 antigen; KIAA0012; LPRS5; rsc786; Similar to Drosophila Toll protein; TIL; TIL. LPRS5; Tlr1; TLR1_HUMAN; Toll (Drosophila) homolog; Toll like receptor 1; Toll like receptor 1 Precursor; Toll/Interleukin 1 receptor like; Toll/interleukin-1 receptor-like protein; TLR1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human TLR1
Sequence Length	786
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
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 between 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)

Human TLR1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for TLR1 elisa kit	Principle of the assay: human TLR1 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for TLR1 has been precoated onto 96-well plates. Standards(NSO, S22-N578) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for TLR1 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human TLR1 amount of sample captured in plate. Background: TLR1 is a member of the Toll-like receptor family (TLR) of pattern recognition receptors of the innate immune system. TIR1 gene was mapped to 4p14 by fluorescence in situ hybridization. TLR1 recognizes pathogen-associated molecular pattern with a specificity for gram-positive bacteria. TLR1 has also been designated as CD281 (cluster of differentiation 281). TLR1 interacts with TLR2 to recognize the lipid configuration of the native mycobacterial lipoprotein as well as several triacylated lipopeptides.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	146291086
NCBI GeneID	7096
UniProt Accession #	Q15399; O15452; Q32MK3; Q32MK4; Q9UG90; D1CS39; D1CS41
Molecular Weight	90,291 Da
NCBI Official Full Name	Toll-like receptor 1
NCBI Official Synonym Full Names	toll-like receptor 1
NCBI Official Symbol	TLR1
NCBI Official Synonym Symbols	TIL; CD281; rsc786; TIL. LPRS5
NCBI Protein Information	toll-like receptor 1; toll/interleukin-1 receptor-like protein
UniProt Protein Name	Toll-like receptor 1
UniProt Gene Name	TLR1
UniProt Synonym Gene Names	KIAA0012; TIL
UniProt Entry Name	TLR1_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.