

Human Toll-Like Receptor 1 (TLR1) ELISA Kit | TLR1 elisa kit

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CATALOG #
AAA330536

REACTIVITY
Human

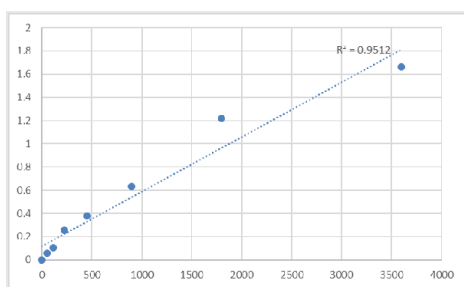
PRODUCT SYNONYMS

Toll-Like Receptor 1 (TLR1); Human Toll-Like Receptor 1 (TLR1) ELISA Kit; TLR1; CD281; DKFZp547I0610; DKFZp564I0682; KIAA0012; MGC104956; MGC126311; MGC126312; TIL; rsc786; Toll/interleukin-1 receptor-like; TLR1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Toll-like receptor 1 (TLR1) ELISA Kit has high sensitivity and excellent specificity for detection of Human TLR1. No significant cross-reactivity or interference between Human TLR1 and analogues was observed.
Sequence Length	786
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Toll-like receptor 1 (TLR1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TLR1 elisa kit	Description: This Human Toll-like receptor 1 (TLR1) ELISA Kit employs a two-site sandwich ELISA to quantitate TLR1 in samples. An antibody specific for TLR1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TLR1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TLR1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of TLR1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: TLR 1 is a member of the Toll-like receptor family (TLR) of pattern recognition receptors of the innate immune system. TLR1 recognizes pathogen-associated molecular pattern with a specificity for gram-positive bacteria. TLRs are highly conserved from Drosophila to humans and share structural and functional similarities. They recognize pathogen-associated molecular patterns (PAMPs) that are expressed on infectious agents, and mediate the production of cytokines necessary for the development of effective immunity. The various TLRs exhibit different patterns of expression. This gene is ubiquitously expressed, and at higher levels than other TLR genes. Different length transcripts presumably resulting from use of alternative polyadenylation site, and/or from alternative splicing, have been noted for this gene.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	41350337
NCBI GeneID	7096
NCBI Accession #	NP_003254.2
NCBI GenBank Nucleotide #	NP_003254.2
UniProt Accession #	Q15399
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
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.