

Human Toll-Like Receptor 5 (TLR-5) ELISA Kit | TLR-5 elisa kit

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CATALOG #
AAA330532

REACTIVITY
Human

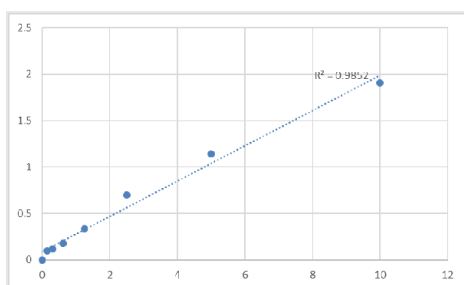
PRODUCT SYNONYMS

Toll-Like Receptor 5 (TLR-5); Human Toll-Like Receptor 5 (TLR-5) ELISA Kit; TLR5; RP11-239E10.1; FLJ10052; MGC126430; MGC126431; SLEB1; TIL3; OTTHUMP00000036039; toll/interleukin-1 receptor-like protein 3; TLR-5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Toll-like receptor 5 (TLR-5) ELISA Kit has high sensitivity and excellent specificity for detection of Human TLR5. No significant cross-reactivity or interference between Human TLR5 and analogues was observed.
Sequence Length	858
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 5 (TLR-5) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TLR-5 elisa kit	Description: This Human Toll-like receptor 5 (TLR-5) ELISA Kit employs a two-site sandwich ELISA to quantitate TLR5 in samples. An antibody specific for TLR5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TLR5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TLR5 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 TLR5 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Toll-like receptor 5is a member of the Toll-like receptor (TLR) family which plays a fundamental role in pathogen recognition and activation of innate immunity. 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 product is expressed in myelomonocytic cells, and recognizes bacterial flagellin, a principal component of bacterial flagella and a virulence factor. The activation of this receptor mobilizes the nuclear factor NF-kappaB and stimulates tumour necrosis factor-alpha production.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	215274239
NCBI GeneID	7100
UniProt Accession #	O60602
NCBI Official Full Name	Toll-like receptor 5
NCBI Official Synonym Full Names	toll like receptor 5
NCBI Official Symbol	TLR5
NCBI Official Synonym Symbols	SLE1; TIL3; SLEB1; MELIOS
NCBI Protein Information	toll-like receptor 5
UniProt Protein Name	Toll-like receptor 5
UniProt Gene Name	TLR5
UniProt Synonym Gene Names	TIL3
UniProt Entry Name	TLR5_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.