

Mouse Toll-Like Receptor 3 (TLR3) ELISA Kit | TLR3 elisa kit

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CATALOG #
AAA332223

REACTIVITY
Mouse

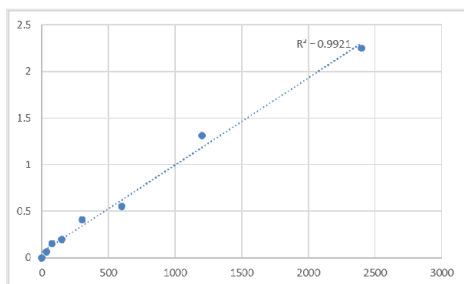
PRODUCT SYNONYMS

Toll-Like Receptor 3 (TLR3); Mouse Toll-Like Receptor 3 (TLR3) ELISA Kit; TLR3; CD283; TLR3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Toll-like receptor 3 (TLR3) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse TLR3. No significant cross-reactivity or interference between Mouse TLR3 and analogues was observed.
Sequence Length	905
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. Mouse Toll-like receptor 3 (TLR3) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TLR3 elisa kit	Description: This Mouse Toll-like receptor 3 (TLR3) ELISA Kit employs a two-site sandwich ELISA to quantitate TLR3 in samples. An antibody specific for TLR3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TLR3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TLR3 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 TLR3 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: TLR 3 is a member of the Toll-like receptor family of pattern recognition receptors of the innate immune system. Discovered in 2001,TLR3 recognizes double-stranded RNA, a form of genetic information carried by some viruses such as reoviruses. Upon recognition, TLR 3 induces the activation of NF-kB to increase production of type I interferons which signal other cells to increase their antiviral defenses. Double-stranded RNA is also recognised by the cytoplasmic receptors RIG-I and MDA-5.The structure of TLR3 was reported in June 2005 by researchers at The Scripps Research Institute. TLR3 forms a large horseshoe shape that contacts with a neighboring horseshoe, forming a "dimer" of two horseshoes.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31543872
NCBI GeneID	142980
NCBI Accession #	NP_569054.2
NCBI GenBank Nucleotide #	NP_569054.2
UniProt Accession #	Q99MB1
NCBI Official Full Name	toll-like receptor 3
NCBI Official Synonym Full Names	toll-like receptor 3
NCBI Official Symbol	Tlr3
NCBI Official Synonym Symbols	AI957183
NCBI Protein Information	toll-like receptor 3
UniProt Protein Name	Toll-like receptor 3
UniProt Gene Name	Tlr3
UniProt Entry Name	TLR3_MOUSE

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.