

Guinea Pig Toll Like Receptor 9 ELISA Kit | TLR9 elisa kit

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CATALOG #
AAA95862

REACTIVITY
Guinea Pig

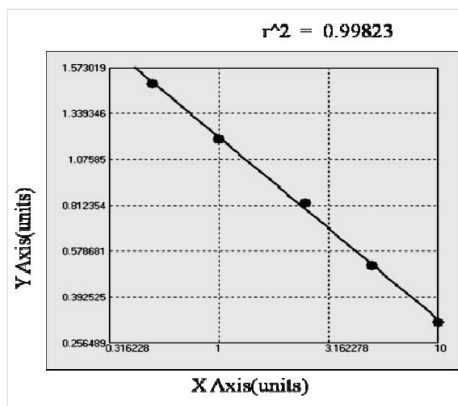
PRODUCT SYNONYMS

Toll Like Receptor 9; Guinea pig Toll Like Receptor 9 ELISA Kit; TLR9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This TLR9 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig TLR9. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TLR9 elisa kit	Principle of the Assay: TLR9 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TLR9 antibody and an TLR9-HRP conjugate. The assay sample and buffer are incubated together with TLR9-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the TLR9 concentration since TLR9 from samples and TLR9-HRP conjugate compete for the anti-TLR9 antibody binding site. Since the number of sites is limited, as more sites are occupied by TLR9 from the sample, fewer sites are left to bind TLR9-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TLR9 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for TLR9 elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	29420453
NCBI GeneID	397007
Molecular Weight	115,883 Da
NCBI Official Full Name	Toll like receptor 9, partial
NCBI Official Symbol	TLR9
NCBI Protein Information	toll-like receptor 9
UniProt Protein Name	Toll-like receptor 9
UniProt Gene Name	TLR9
UniProt Entry Name	TLR9_PIG

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.