

Rat Toll Like Receptor 9 ELISA Kit | TLR9 elisa kit

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CATALOG #
AAA97149

REACTIVITY
Rat

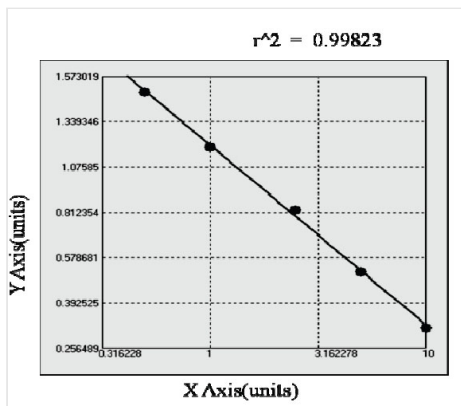
PRODUCT SYNONYMS

Toll Like Receptor 9; Rat Toll Like Receptor 9 ELISA Kit; TLR9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
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 Rat TLR9. This ELISA kit for research use only, not for therapeutic applications
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.

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/tlr9-rat-elisa-kits/toll-like-receptor-9/97149>