

Sheep Toll Like Receptor 7 ELISA Kit | TLR7 elisa kit

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CATALOG #
AAA93902

REACTIVITY
Sheep

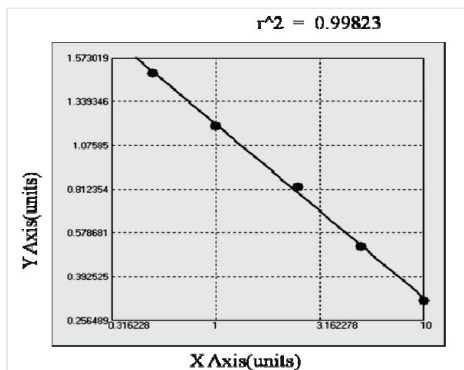
PRODUCT SYNONYMS

Toll Like Receptor 7; Sheep Toll Like Receptor 7 ELISA Kit; TLR7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
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 TLR7 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep TLR7. 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 TLR7 elisa kit

Principle of the Assay: TLR7 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TLR7 antibody and an TLR7-HRP conjugate. The assay sample and buffer are incubated together with TLR7-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 TLR7 concentration since TLR7 from samples and TLR7-HRP conjugate compete for the anti-TLR7 antibody binding site. Since the number of sites is limited, as more sites are occupied by TLR7 from the sample, fewer sites are left to bind TLR7-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TLR7 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7706093
NCBI GeneID	51284
NCBI Accession #	NP_057646.1
NCBI GenBank Nucleotide #	NM_016562.3
Molecular Weight	120,922 Da
NCBI Official Full Name	toll-like receptor 7
NCBI Official Synonym Full Names	toll-like receptor 7
NCBI Official Symbol	TLR7
NCBI Official Synonym Symbols	TLR7-like
NCBI Protein Information	toll-like receptor 7; toll-like receptor 7-like
UniProt Protein Name	Toll-like receptor 7
UniProt Gene Name	TLR7
UniProt Synonym Gene Names	UNQ248/PRO285
UniProt Entry Name	TLR7_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.