

Canine Toll Like Receptor2 ELISA Kit | TLR2 elisa kit

Canine Toll Like Receptor2 ELISA Kit

CATALOG #
AAA92609

REACTIVITY
Canine

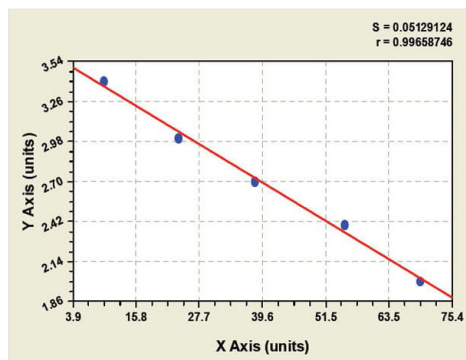
PRODUCT SYNONYMS

Toll Like Receptor2; Canine Toll Like Receptor2 ELISA Kit; TLR2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This TLR2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine TLR2. 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 TLR2 elisa kit	Principle of the Assay: TLR2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TLR2 antibody and an TLR2-HRP conjugate. The assay sample and buffer are incubated together with TLR2-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 TLR2 concentration since TLR2 from samples and TLR2-HRP conjugate compete for the anti-TLR2 antibody binding site. Since the number of sites is limited, as more sites are occupied by TLR2 from the sample, fewer sites are left to bind TLR2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TLR2 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for TLR2 elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	19718734
NCBI GeneID	7097
NCBI Accession #	NP_003255.2
NCBI GenBank Nucleotide #	NM_003264.3
Molecular Weight	89,838 Da
NCBI Official Full Name	toll-like receptor 2
NCBI Official Synonym Full Names	toll-like receptor 2
NCBI Official Symbol	TLR2
NCBI Official Synonym Symbols	TIL4; CD282
NCBI Protein Information	toll-like receptor 2; toll/interleukin 1 receptor-like 4; toll/interleukin-1 receptor-like protein 4
UniProt Protein Name	Toll-like receptor 2
UniProt Gene Name	TLR2
UniProt Synonym Gene Names	TIL4
UniProt Entry Name	TLR2_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.