

Rat Toll Like Receptor 8 ELISA Kit | TLR8 elisa kit

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CATALOG #
AAA85212

REACTIVITY
Rat

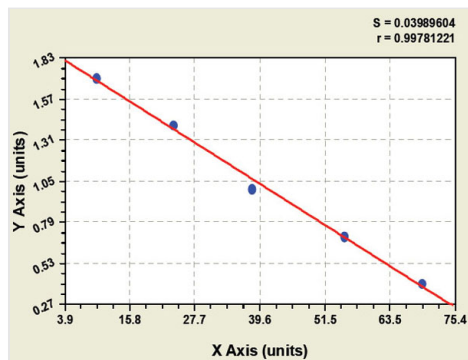
PRODUCT SYNONYMS

Toll Like Receptor 8; Rat Toll Like Receptor 8 ELISA Kit; TLR8 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
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TLR8 elisa kit

Intended Uses: This TLR8 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat TLR8. This ELISA kit for research use only!

Principle of the Assay: TLR8 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TLR8 antibody and an TLR8-HRP conjugate. The assay sample and buffer are incubated together with TLR8-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 TLR8 concentration since TLR8 from samples and TLR8-HRP conjugate compete for the anti-TLR8 antibody binding site. Since the number of sites is limited, as more sites are occupied by TLR8 from the sample, fewer sites are left to bind TLR8-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TLR8 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	20140873
NCBI GeneID	51311
Molecular Weight	121,764 Da
NCBI Official Full Name	Toll-like receptor 8
NCBI Official Synonym Full Names	toll-like receptor 8
NCBI Official Symbol	TLR8
NCBI Official Synonym Symbols	CD288
NCBI Protein Information	toll-like receptor 8
UniProt Protein Name	Toll-like receptor 8
UniProt Gene Name	TLR8
UniProt Synonym Gene Names	UNQ249/PRO286
UniProt Entry Name	TLR8_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.