

Human Toll Like Receptor 8 ELISA Kit | TLR8 elisa kit

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CATALOG #
AAA93931

REACTIVITY
Human

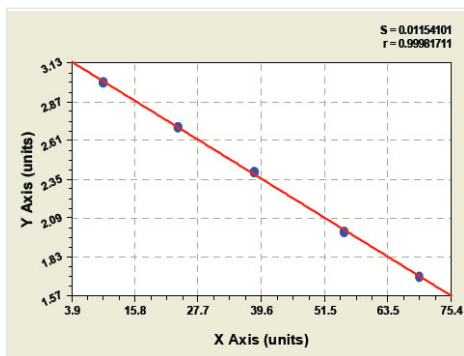
PRODUCT SYNONYMS

Toll Like Receptor 8; Human Toll Like Receptor 8 ELISA Kit; TLR8 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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 TLR-8 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human TLR-8. This ELISA kit for research use only!

Principle of the Assay: TLR-8 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TLR-8 antibody and an TLR-8-HRP conjugate. The assay sample and buffer are incubated together with TLR-8-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 TLR-8 concentration since TLR-8 from samples and TLR-8-HRP conjugate compete for the anti-TLR-8 antibody binding site. Since the number of sites is limited, as more sites are occupied by TLR-8 from the sample, fewer sites are left to bind TLR-8-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TLR-8 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.