

Human CD281 ELISA Kit | TLR1 elisa kit

Human CD281 ELISA Kit

CATALOG # AAA105888	REACTIVITY Human	APPLICATIONS ELISA
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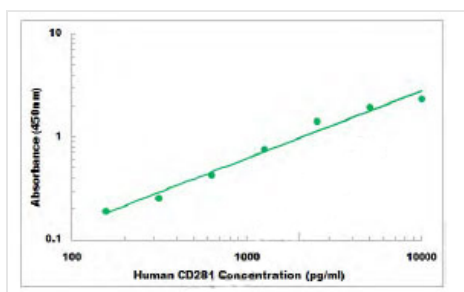
PRODUCT SYNONYMS

CD281; Human CD281 ELISA Kit; KIAA0012; Toll-like receptor 1; Toll/interleukin-1 receptor-like protein; TIL; TLR1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human CD281 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human CD281 proteins within the range of 156 pg/ml - 10000 pg/ml.
Sequence Length	786
Samples	Cell Culture Supernatants, Serum, Plasma
Sensitivity	10 pg/ml.
Applicable Applications for TLR1 elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TLR1 elisa kit

Principle of the Assay: The Human CD281 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human CD281 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Human CD281 coated on a 96-well plate. Standards and samples are pipetted into the wells and CD281 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human CD281 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of CD281 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

Background/Introduction: TLR1 is a member of the Toll-like receptor family (TLR) of pattern recognition receptors of the innate immune system. TLR1 gene was mapped to 4p14 by fluorescence in situ hybridization. TLR1 recognizes pathogen-associated molecular pattern with a specificity for gram-positive bacteria. TLR1 has also been designated as CD281 (cluster of differentiation 281). TLR1 interacts with TLR2 to recognize the lipid configuration of the native mycobacterial lipoprotein as well as several triacylated lipopeptides.

NCBI AND UNIPROT INFORMATION

NCBI GI #	41350337
NCBI GeneID	7096
NCBI Accession #	NP_003254.2
NCBI GenBank Nucleotide #	NM_003263.3
UniProt Accession #	Q15399; O15452; Q32MK3; Q32MK4; Q9UG90; D1CS39; D1CS41
Molecular Weight	90,291 Da
NCBI Official Full Name	toll-like receptor 1
NCBI Official Synonym Full Names	toll-like receptor 1
NCBI Official Symbol	TLR1
NCBI Official Synonym Symbols	TIL; CD281; rsc786; TIL. LPRS5
NCBI Protein Information	toll-like receptor 1; toll/interleukin-1 receptor-like protein
UniProt Protein Name	Toll-like receptor 1
UniProt Gene Name	TLR1
UniProt Synonym Gene Names	KIAA0012; TIL
UniProt Entry Name	TLR1_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.

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Online datasheet: <https://stage.aaabiotech.com/tlr1-human-elisa-kits/cd281/105888>