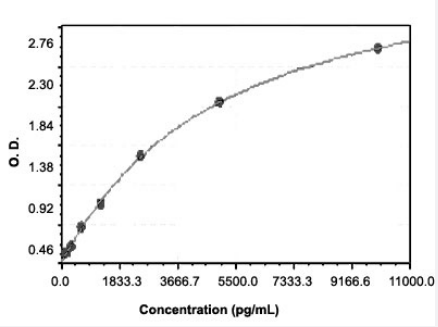
TLR3 (Human) ELISA Kit

Catalog # KA2351 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	TLR3 (Human) ELISA Kit is an immunoassay for quantitative detection of human TLR3 in serum, plasma or cell culture supernatant.
Suitable Sample	Cell culture supernate, Plasma, Serum
Sample Volume	100 uL
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	156 to 10,000 pg/mL
Limit of Detection	<10 pg/mL
Reactivity	Human
Regulation Status	For research use only (RUO)
Quality Control Testing	Standard curve The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

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Storage Instruction	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles.

Applications

- Quantification

Gene Info — TLR3

Entrez GeneID	7098
Gene Name	TLR3
Gene Alias	CD283
Gene Description	toll-like receptor 3
Omim ID	603029
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the Toll-like receptor (TLR) family which plays a fundamental role in pathogen recognition and activation of innate immunity. TLRs are highly conserved from Drosophila to humans and share structural and functional similarities. They recognize pathogen-associated molecular patterns (PAMPs) that are expressed on infectious agents, and mediate the production of cytokines necessary for the development of effective immunity. The various TLRs exhibit different patterns of expression. This receptor is most abundantly expressed in placenta and pancreas, and is restricted to the dendritic subpopulation of the leukocytes. It recognizes dsRNA associated with viral infection, and induces the activation of NF-kappaB and the production of type I interferons. It may thus play a role in host defense against viruses. Use of alternative polyadenylation sites to generate different length transcripts has been noted for this gene. [provided by RefSeq
Other Designations	-

Pathway

- Toll-like receptor signaling pathway

Disease

- Arthritis

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- Aspergillosis
- Asthma
- Birth Weight
- Breast Neoplasms
- Bronchiolitis
- Bronchiolitis Obliterans
- Cardiomyopathy
- Cardiovascular Diseases
- Chorioamnionitis
- Choroidal Neovascularization
- Chronic Disease
- Connective Tissue Diseases
- Coxsackievirus Infections
- Diabetes Mellitus
- Disease Progression
- Epidermal Necrolysis
- Eye Diseases
- Fetal Diseases
- Fetal Membranes
- Genetic Predisposition to Disease
- Geographic Atrophy
- Glioblastoma
- Glioma
- Hepatitis C
- HIV Infections
- Hodgkin Disease

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- Hypersensitivity
- Infant
- Infection
- Inflammation
- Kidney Failure
- Leukemia
- Macular Degeneration
- Meningeal Neoplasms
- Meningioma
- Multiple Sclerosis
- Musculoskeletal Diseases
- Myocarditis
- Nasopharyngeal Neoplasms
- Obstetric Labor
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Prostate cancer
- Prostatic Neoplasms
- Respiratory Syncytial Virus Infections
- Skin Diseases
- Stevens-Johnson Syndrome
- Subacute Sclerosing Panencephalitis
- Virus Diseases

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