

## Human Toll-like receptor 1, TLR1 ELISA Kit | TLR1 elisa kit

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CATALOG #  
**AAA11106**

REACTIVITY  
**Human**

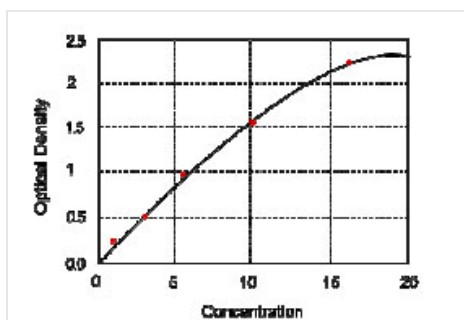
### PRODUCT SYNONYMS

Toll-like receptor 1; TLR1; Human Toll-like receptor 1; TLR1 ELISA Kit; TLR1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                            |
| Sequence Length         | 786                                                                                                                                                                                              |
| Samples                 | Serum, plasma, cell culture supernates, cell lysates, tissue homogenates                                                                                                                         |
| Assay Type              | Quantitative Sandwich                                                                                                                                                                            |
| Detection Range         | 0.2ng/ml - 60ng/ml                                                                                                                                                                               |
| Sensitivity             | 0.09ng/ml                                                                                                                                                                                        |
| Intra-assay Precision   | Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision. Intra-Assay: CV<8%                              |
| Inter-assay Precision   | Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision. CV(%) = SD/mean x 100. Inter-Assay: CV<10% |
| Preparation and Storage | Store at 2 to 8 degree C for 6 months.                                                                                                                                                           |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for TLR1 elisa kit

**Intended Uses:** This sandwich kit is for the accurate quantitative detection of human Toll-like Receptor 1 (also known as TLR1) in serum, plasma, cell culture supernates, cell lysates, tissue homogenates.

**Principle of the Assay:** This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with human TLR1 antibody. TLR1 present in the sample is added and binds to antibodies coated on the wells. And then biotinylated human TLR1 Antibody is added and binds to TLR1 in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated TLR1 antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of human TLR1. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.

NCBI AND UNIPROT INFORMATION

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| NCBI GI #                        | 2459618                                                |
| NCBI GeneID                      | 7096                                                   |
| 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                                   |
| UniProt Protein Name             | Toll-like receptor 1                                   |
| UniProt Gene Name                | <b>TLR1</b>                                            |
| UniProt Synonym Gene Names       | KIAA0012; TIL                                          |

**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/human-elisa-kits/toll-like-receptor-1-tlr1/11106>