

## Human Toll Like Receptor 2 ELISA Kit | TLR2 elisa kit

Human Toll Like Receptor 2 (TLR2) (Sandwich ELISA) Mini sample ELISA Kit

CATALOG #  
**AAA190030**

REACTIVITY  
**Human**

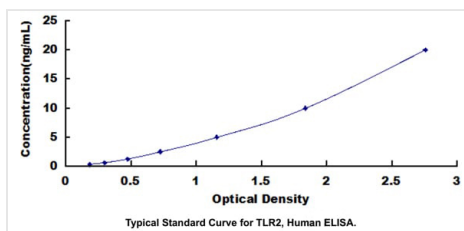
### PRODUCT SYNONYMS

Toll Like Receptor 2; Human Toll Like Receptor 2 (TLR2) (Sandwich ELISA) Mini sample ELISA Kit; CD282; TIL4; Toll/interleukin-1 receptor-like protein 4; Mini Samples ELISA Kit for Toll Like Receptor 2 (TLR2); TLR2 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                    |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of TLR2. No significant cross-reactivity or interference between TLR2 and analogues was observed.                                |
| Assay Type              | Quantitative Sandwich                                                                                                                                                                                    |
| Samples                 | Human saliva,tissue homogenates, cell lysates,cell culture supernates and other biological fluids                                                                                                        |
| Detection Range         | 0.312-20ng/mL                                                                                                                                                                                            |
| Sensitivity             | < 0.121ng/mL                                                                                                                                                                                             |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TLR2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%                                   |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level TLR2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12% |
| Preparation and Storage | 4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year                                                                                                            |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for TLR2 elisa kit | <p>Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to TLR2. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to TLR2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain TLR2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of TLR2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> <p>Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of TLR2 in human saliva,tissue homogenates, cell lysates,cell culture supernates and other biological fluids.</p> |
| Product Categories/Family for TLR2 elisa kit   | Tumor immunity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                      |
|----------------------------------|------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 19718734                                                                                             |
| NCBI GeneID                      | 7097                                                                                                 |
| NCBI Accession #                 | NP_003255.2                                                                                          |
| NCBI GenBank Nucleotide #        | NM_003264.3                                                                                          |
| UniProt Accession #              | O60603; O15454; Q8NI00; B3Y612; D1CS45; D1CS48; D1CS49                                               |
| Molecular Weight                 | 89,838 Da                                                                                            |
| NCBI Official Full Name          | toll-like receptor 2                                                                                 |
| NCBI Official Synonym Full Names | toll-like receptor 2                                                                                 |
| NCBI Official Symbol             | TLR2                                                                                                 |
| NCBI Official Synonym Symbols    | TIL4; CD282                                                                                          |
| NCBI Protein Information         | toll-like receptor 2; toll/interleukin 1 receptor-like 4; toll/interleukin-1 receptor-like protein 4 |
| UniProt Protein Name             | Toll-like receptor 2                                                                                 |
| UniProt Gene Name                | TLR2                                                                                                 |
| UniProt Synonym Gene Names       | TIL4                                                                                                 |
| UniProt Entry Name               | TLR2_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.