

## Mouse TLR2 ELISA Kit | TLR2 elisa kit

Mouse TLR2 PicoKine ELISA Kit

CATALOG #  
**AAA45781**

REACTIVITY  
**Mouse**

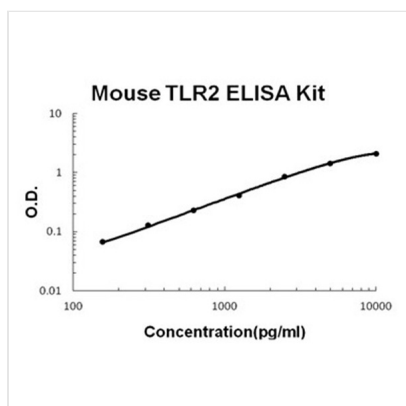
### PRODUCT SYNONYMS

TLR2; Mouse TLR2 PicoKine ELISA Kit; Toll-like receptor 2; toll-like receptor 2; CD\_antigen; CD282; TIL4; Toll like receptor 2; Toll/interleukin 1 receptor like protein 4; TLR2 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                 |
| Specificity             | Natural and recombinant mouse TLR2                                                                                                                    |
| Sequence Length         | 784                                                                                                                                                   |
| Samples                 | Cell culture supernates, serum and plasma (heparin, EDTA)                                                                                             |
| Assay Type              | Sandwich                                                                                                                                              |
| Detection Range         | 156pg/ml-10,000pg/ml                                                                                                                                  |
| Sensitivity             | < 10pg/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.      |
| Inter-assay Precision   | Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision. |
| Preparation and Storage | Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)                            |

### IMAGES



Standard Curve (Sample)

Mouse TLR2 PicoKine ELISA Kit standard curve

## ADDITIONAL INFORMATION

### Related Product Information for TLR2 elisa kit

**Principle of the assay:** mouse TLR2 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for TLR2 has been precoated onto 96-well plates. Standards(NSO, Q25-L590) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for TLR2 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the mouse TLR2 amount of sample captured in plate.

**Background:** Toll-like receptor 2 also known as TLR-2 is a protein that in humans is encoded by the TLR2 gene. TLR2 has also been designated as CD282 (cluster of differentiation 282). TLR-2 plays a role in the immune system. TLR-2 is a membrane protein, a receptor, which is expressed on the surface of certain cells and recognizes foreign substances and passes on appropriate signals to the cells of the immune system. TLR2 expresses as 4- and 4.4-kb mRNAs in heart, brain, and muscle.

## NCBI AND UNIPROT INFORMATION

|                                  |                        |
|----------------------------------|------------------------|
| NCBI GI #                        | 20140895               |
| NCBI GeneID                      | 24088                  |
| UniProt Accession #              | Q9QUN7; Q3U400; Q9DBC4 |
| Molecular Weight                 | 89,449 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    | Ly105                  |
| NCBI Protein Information         | toll-like receptor 2   |
| UniProt Protein Name             | Toll-like receptor 2   |
| UniProt Gene Name                | Tlr2                   |
| UniProt Entry Name               | TLR2_MOUSE             |

**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://www.aaabiotech.com/mouse-elisa-kits/tlr2/45781>