

Datasheet for ABIN6720075
TLR1 ELISA Kit[Go to Product page](#)

1 Image

Overview

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| Quantity: | 1 kit |
| Target: | TLR1 |
| Reactivity: | Human |
| Method Type: | Sandwich ELISA |
| Detection Range: | 156 pg/mL - 10000 pg/mL |
| Minimum Detection Limit: | 156 pg/mL |
| Application: | ELISA |

Product Details

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| Purpose: | Sandwich ELISA for Quantitative Detection of Antigen |
| Sample Type: | Cell Culture Supernatant, Plasma (EDTA - heparin), Serum |
| Analytical Method: | Quantitative |
| Detection Method: | Colorimetric |
| Characteristics: | <p>Synonyms: CD281, CD281 antigen, KIAA0012, LPRS5, rsc786, Similar to Drosophila Toll protein, TIL, TIL. LPRS5, Tlr1, TLR1_HUMAN, Toll (Drosophila) homolog, Toll like receptor 1, Toll like receptor 1 Precursor, Toll-like receptor 1, Toll/Interleukin 1 receptor like, Toll/interleukin-1 receptor-like protein</p> <p>Background: TLR1 is a member of the Toll-like receptor family(TLR) of pattern recognition receptors of the innate immune system. TIR1 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</p> |

Product Details

281). TLR1 interacts with TLR2 to recognize the lipid configuration of the native mycobacterial lipoprotein as well as several triacylated lipopeptides.

Gene Name: TLR1

Production: Natural and recombinant human TLR1. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: S22-N578

Target Details

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| Target: | TLR1 |
| Alternative Name: | TLR1 (TLR1 Products) |
| Gene ID: | 7096 |
| NCBI Accession: | NP_003254 |
| UniProt: | Q15399 |
| Pathways: | TLR Signaling , Activation of Innate immune Response , Cellular Response to Molecule of Bacterial Origin , Toll-Like Receptors Cascades |

Application Details

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| Application Notes: | <p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10,000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL human TLR1 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each human TLR1 standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 156pg/mL-10,000pg/mL</p> |
| Sample Volume: | 100 µL |
| Plate: | Pre-coated |
| Restrictions: | For Research Use only |

Handling

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| Storage: | RT, 4 °C, -20 °C |
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Handling

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images

