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Datasheet for ABIN7275746

## TLR3 Protein (AA 23-703) (His tag)

### 4 Images

#### Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 100 µg                                      |
| Target:                       | TLR3  |
| Protein Characteristics:      | AA 23-703                                   |
| Origin:                       | Human                                       |
| Source:                       | HEK-293 Cells                               |
| Protein Type:                 | Recombinant                                 |
| Purification tag / Conjugate: | This TLR3 protein is labelled with His tag. |

#### Product Details

|                              |   |
|------------------------------|---|
| Purpose:                     | Human TLR3 Protein  |
| Sequence:                    | Ser23-Glu703  |
| Characteristics:             | Recombinant Human TLR3 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ser23-Glu703.   |
| Purity:                      | > 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC   |
| Sterility:                   | 0.22 µm filtered  |
| Endotoxin Level:             | Less than 1EU per µg by the LAL method.   |
| Biological Activity Comment: | Immobilized Human TLR3, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-TLR3 Antibody, hFc Tag with the EC50 of 4.9ng/ml determined by ELISA. See testing image for detail. |

## Target Details

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|                   |   |
|-------------------|---|
| Target:           | TLR3  |
| Alternative Name: | TLR3 ( <a href="#">TLR3 Products</a> )  |
| Background:       | TLR3 is expressed in the central nervous system (CNS), where it is required to control HSV-1, which spreads from the epithelium to the CNS via cranial nerves. TLR3 is also expressed in epithelial and dendritic cells, which apparently use TLR3-independent pathways to prevent further dissemination of HSV-1 and to provide resistance to other pathogens in TLR3-deficient patients. Human TLR3 appears to be redundant in host defense to most microbes but is vital for natural immunity to HSV-1 in the CNS, which suggests that neurotropic viruses have contributed to the evolutionary maintenance of TLR3. |
| Molecular Weight: | 78.7 kDa. Due to glycosylation, the protein migrates to 90-115 kDa based on Tris-Bis PAGE result.   |
| UniProt:          | <a href="#">Q6PCD4</a>  |
| Pathways:         | <a href="#">TLR Signaling</a> , <a href="#">Activation of Innate immune Response</a> , <a href="#">Hepatitis C</a> , <a href="#">Toll-Like Receptors Cascades</a>   |

## Application Details

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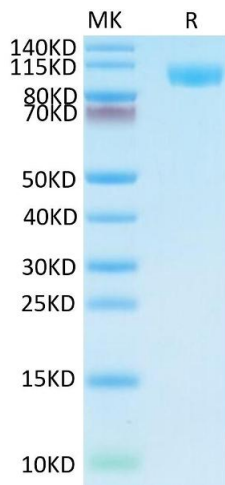
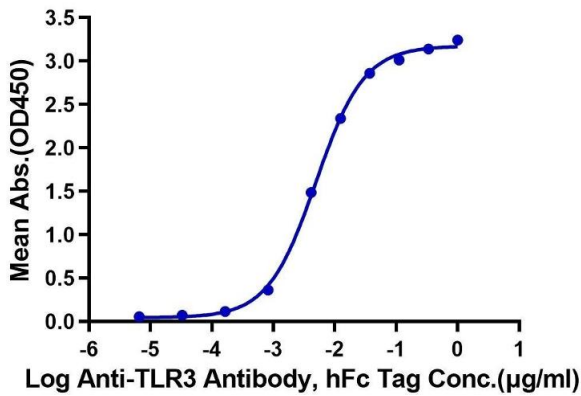
|               |                       |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

## Handling

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|                  |   |
|------------------|---|
| Format:          | Lyophilized   |
| Reconstitution:  | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.  |
| Buffer:          | Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.  |
| Storage:         | -20 °C,-80 °C   |
| Storage Comment: | -20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |
| Expiry Date:     | 12 months   |

**Human TLR3, His Tag ELISA**  
0.05µg Human TLR3, His Tag Per Well



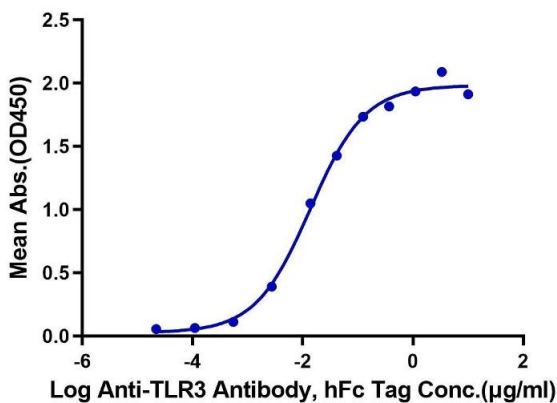
**ELISA**

**Image 1.** Immobilized Human TLR3, His Tag at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-TLR3 Antibody, hFc Tag with the EC50 of 4.9 ng/mL determined by ELISA.

**SDS-PAGE**

**Image 2.** Human TLR3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

**Human TLR3, His Tag ELISA**  
0.05µg Human TLR3, His Tag Per Well



**ELISA**

**Image 3.** Immobilized Human TLR3, His Tag at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-TLR3 Antibody, hFc Tag with the EC50 of 13.6 ng/mL determined by ELISA.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7275746.