Cat. No. FLP200143



## **PRODUCT INFORMATION**

**Target** TLR5

**Synonyms** MELIOS; SLE1; SLEB1; TIL3

**Description** Human TLR5 full length protein-MNP

In Stock **Delivery** 060602 **Uniprot ID Expression Host HEK293** 

Storage & Shipping

**Background** 

**Protein Families** Druggable Genome, Transmembrane

Pathogenic Escherichia coli infection, Toll-like **Protein Pathways** 

receptor signaling pathway

The human full length TLR5 protein has a MW of **Molecular Weight** 

97.8 kDa

Lyophilized from PBS. Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Formulation & Reconstitution

for specific instructions.

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

Toll-like receptor (TLR) family plays a fundamental role in pathogen recognition and activation of innate immune responses. These receptors recognize distinct pathogen-associated

molecular patterns that are expressed on infectious agents. The protein encoded by this gene recognizes bacterial flagellin, the principal component of bacterial flagella and a virulence factor. The activation of this receptor mobilizes the nuclear factor NF-kappaB, which in turn

activates a host of inflammatory-related target genes. Mutations in this gene have been associated with both resistance and susceptibility

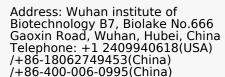
to systemic lupus erythematosus, and susceptibility to Legionnaire disease.

**Usage** Research use only

Conjugate Unconjugated



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## ELISA assay to evaluate TLR5-MNP 0.5µg Human TLR5-MNP per well

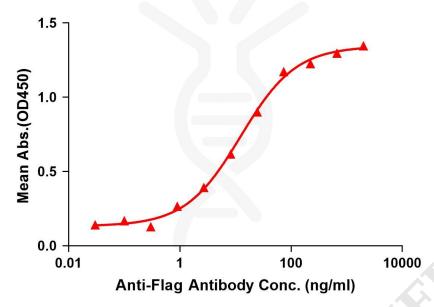


Figure 1. Elisa plates were pre-coated with  $0.5\mu g/per$  well purified human TLR5 full length membrane nanoparticles. Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with TLR5 full length membrane nanoparticles is 12.46ng/ml.

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