

PRODUCT INFORMATION

TLR5
MELIOS; SLE1; SLEB1; TIL3
Human TLR5 full length protein-MNP
In Stock
O60602
HEK293
Druggable Genome, Transmembrane
Pathogenic Escherichia coli infection, Toll-like receptor signaling pathway
The human full length TLR5 protein has a MW of 97.8 kDa
Lyophilized from PBS. Normally 5% – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis 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.
Research use only
Unconjugated









Figure 1. Elisa plates were pre-coated with 0.5µg/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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