HUMAN TLR5 FULL LENGTH PROTEIN

Cat.#: 11124
Product Name: Human TLR5 Full Length Protein
Size : 10 µg, 50 µg and 100 µg
Synonyms: MELIOS; SLE1; SLEB1; TIL3
Target: TLR5
UNIPROT ID: O60602
Description: Human TLR5 full length protein-synthetic nanodisc
Background: 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.
Species/Host: HEK293
Molecular Weight: The human full length TLR5 protein has a MW of 97.8 kDa
Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.
Storage & Shipping: 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.

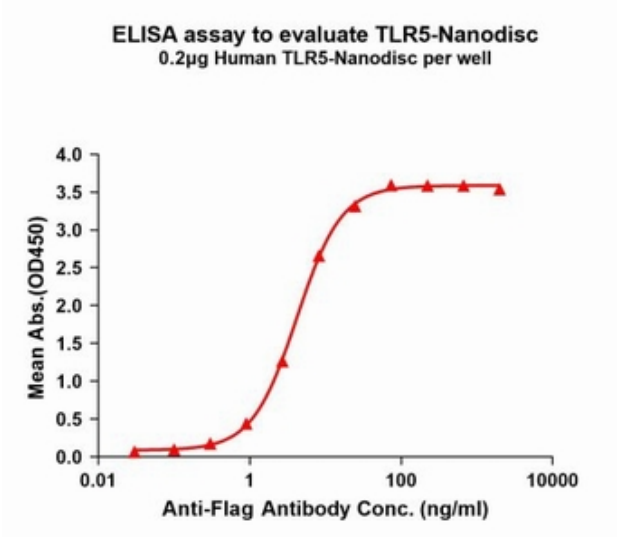

Figure1. Elisa plates were pre-coated with Flag Tag TLR5-Nanodisc (0.2 μg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with TLR5-Nanodisc is 4.191ng/ml.

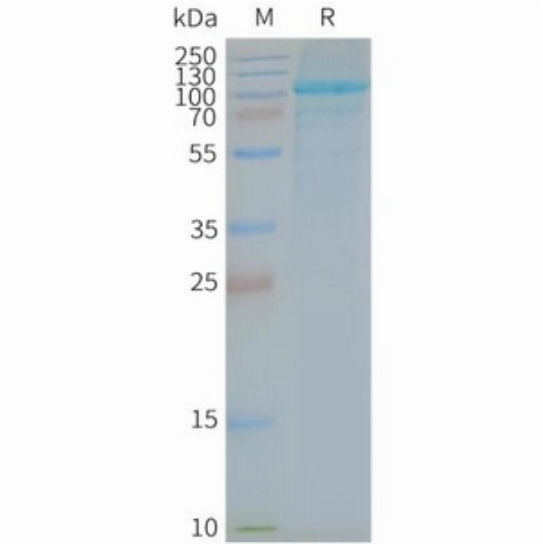

Figure2. Human TLR5-Nanodisc, Flag Tag on SDS-PAGE