

HUMAN TLR5 FULL LENGTH PROTEIN

目录: 11124

产品名称: Human TLR5 Full Length Protein

规格: 10 µg, 50 µg and 100 µg

基因符号: MELIOS; SLE1; SLEB1; TIL3

Target: TLR5

UNIPROT ID: O60602

描述: Human TLR5 full length protein-synthetic nanodisc

背景: 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- κ B, 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.

储存和运输: 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.

ELISA assay to evaluate TLR5-Nanodisc
0.2µg Human TLR5-Nanodisc per well

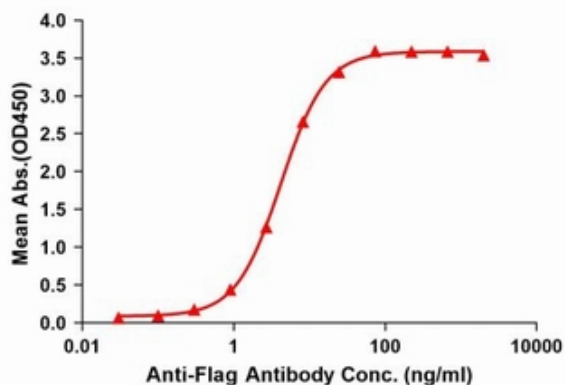


Figure1. Elisa plates were pre-coated with Flag Tag TLR5-Nanodisc (0.2 µg/per well). Serial diluted Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for Flag monoclonal antibody binding with TLR5-Nanodisc is 4.191ng/ml.



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