

PRODUCT INFORMATION

Warning: Undefined variable \$hasAttributeValueDescription in C:\www.root\mirror.dimablo.com\wp-content\plugins\woocommerce-print-products-public.php on line 2806 C-Flag Tag

Human TLR7 full length protein-synthetic nanodisc

Delivery In Stock Uniprot ID O9NYK1 HEK293 **Expression Host**

Protein Families Druggable Genome, Transmembrane Protein Pathways Toll-like receptor signaling pathway

Molecular Weigh The human full length TLR7 protein has a MW of 120.9 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. Please see Certificate of Analysis for specific instructions of reconstitution.

Storage & Shipping

lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.

Store at 2-0°C to 80°C for 12 cmonths 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.

The protein is a member of the Tol-like receptor (TIR) family which plays a fundamental role in pathogen recognition and activation of innate immunity. TLRs are highly conserved from Drosophila to humans and share structural and functional similarities. The human TLR family comprises 11 members. They recognize pathogen-associated molecular patterns (PAMPs) that are expressed on infectious agents, and mediate the production of cytokines necessary for the development of effective immunity, for the recognition of structural components in foreign microorganisms, the various TLRs exhibit different patterns of expression as well; in this way for example, TLR3. -7, and -8 are essential in the recognition as well; in this way for example, TLR3. -7, and -8 are essential in the recognition expression expression of single-stranded RNA viruses, a recognition occurring in the endotonmes of plasmacytoid dendritic cells and B cells.

Coniugate Unconjugated

ELISA assay to evaluate TLR7-Nanodisc 0.2µg Human TLR7-Nanodisc per well

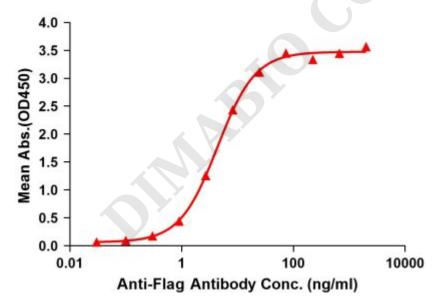


Figure 1. Elisa plates were pre-coated with Flag Tag TLR7-Nanodisc (0.2µg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with TLR7-Nanodisc is 4.389ng/ml.

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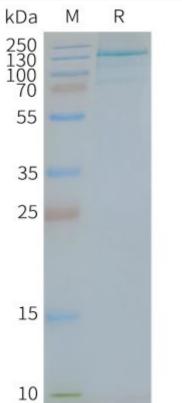


Figure 2. Human TLR7-Nanodisc, Flag Tag on SDS-PAGE



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