

HUMAN STING1 FULL LENGTH PROTEIN

目录: 11021

产品名称: Human STING1 Full Length Protein

规格: 10 µg; 50 µg and 100 µg

基因符号: ERIS; hMITA; hSTING; MITA; MPYS; NET23; SAVI; STING; STING-beta; TMEM173

Target: STING1

UNIPROT ID: Q86WV6

描述: Human STING1 Full Length Protein-Synthetic Nanodisc

背景: A five transmembrane protein that functions as a major regulator of the innate immune response to viral and bacterial infections. The encoded protein is a pattern recognition receptor that detects cytosolic nucleic acids and transmits signals that activate type I interferon responses. The encoded protein has also been shown to play a role in apoptotic signaling by associating with type II major histocompatibility complex. Mutations in this gene are the cause of infantile-onset STING-associated vasculopathy. Alternate splicing results in multiple transcript variants.

Species/Host: HEK293

Molecular Weight: The human full length STING1 protein has a MW of 42.2 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.

Protein Families: Transmembrane

Protein Pathways: Cytosolic DNA-sensing pathway, RIG-I-like receptor signaling pathway

ELISA assay to evaluate STING1-Nanodisc 0.2µg Human STING1-Nanodisc per well

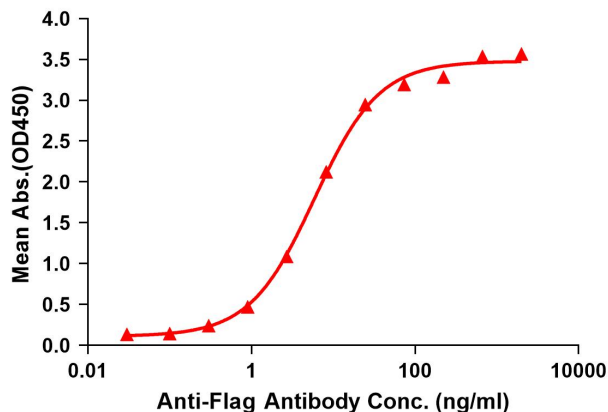


Figure 1. Elisa plates were pre-coated with Flag Tag STING1-Nanodisc (0.2µg/per well). Serial diluted Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for Flag monoclonal antibody binding with STING1-Nanodisc is 5.896ng/ml.

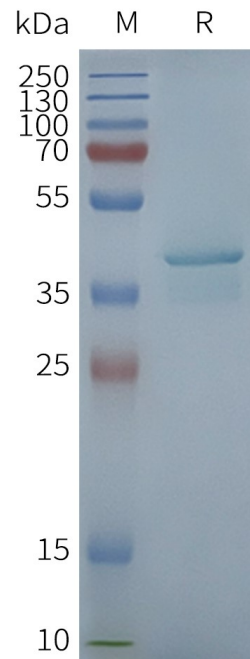


Figure 2. Human STING1-Nanodisc, Flag Tag on SDS-PAGE