HUMAN STING1 FULL LENGTH PROTEIN

Cat.#: 11021
Product Name: Human STING1 Full Length Protein
Size : 10 µg; 50 µg and 100 µg
Synonyms: ERIS; hMITA; hSTING; MITA; MPYS; NET23; SAVI; STING; STING-beta; TMEM173
Target: STING1
UNIPROT ID: Q86WV6
Description: Human STING1 Full Length Protein-Synthetic Nanodisc
Background: 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.
Storage & Shipping: Store at -20ºC to -80ºC for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80ºC (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

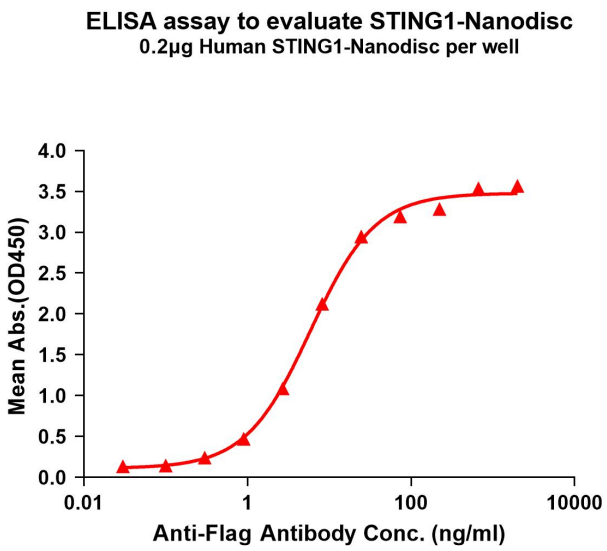

Figure 1. Elisa plates were pre-coated with Flag Tag STING1-Nanodisc (0.2µg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with STING1-Nanodisc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

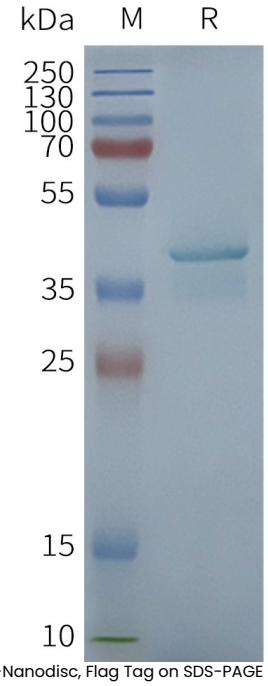

Figure 2. Human STING1-Nanodisc, Flag Tag on SDS-PAGE