

## **PRODUCT INFORMATION**

Tag C-Flag Tag

Target STING1

Synonyms ERIS; hMITA; hSTING; MITA; MPYS; NET23; SAVI;

STING; STING-beta; TMEM173

**Description**Human STING1 full length protein-synthetic

nanodisc

Delivery In Stock
Uniprot ID Q86WV6
Expression Host HEK293

Formulation &

Reconstitution

**Background** 

**Protein Families** Transmembrane

Protein Pathways Cytosolic DNA-sensing pathway, RIG-I-like

receptor signaling pathway

Molecular Weight

The human full length STING1 protein has a MW

of 42.2 kDa

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. Do not use solvents with

for specific instructions. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments.

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

Storage & Shipping intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).

Lyophilized proteins are shipped at ambient

temperature.

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

major histocompatibility complex. Mutations in this gene are the cause of infantile-onset STINGassociated vasculopathy. Alternate splicing

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results in multiple transcript variants.

Usage Research use only
Conjugate Unconjugated





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

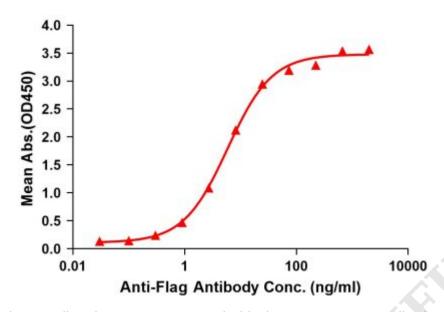


Figure 1. Elisa plates were pre-coated with Flag Tag STING1-Nanodisc ( $0.2\mu g/per$  well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with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



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

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