HUMAN STEAP2 FULL LENGTH PROTEIN

Cat.#: 11024
Product Name: Human STEAP2 Full Length Protein
Size : 10 µg, 50 µg and 100 µg
Synonyms: IPCA1; PCANAP1; PUMPCn; STAMP1; STMP
Target: STEAP2
UNIPROT ID: Q8NFT2
Description: Human STEAP2 full length protein-synthetic nanodisc
Background: A member of the STEAP family and encodes a multi-pass membrane protein that localizes to the Golgi complex, the plasma membrane, and the vesicular tubular structures in the cytosol. A highly similar protein in mouse has both ferrireductase and cupric reductase activity, and stimulates the cellular uptake of both iron and copper in vitro. Increased transcriptional expression of the human gene is associated with prostate cancer progression. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
Species/Host: HEK293
Molecular Weight: The human full length STEAP2 protein has a MW of 56.1 kDa
Molecular Characterization: The human full length STEAP2 protein has a MW of 56.1 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 -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.

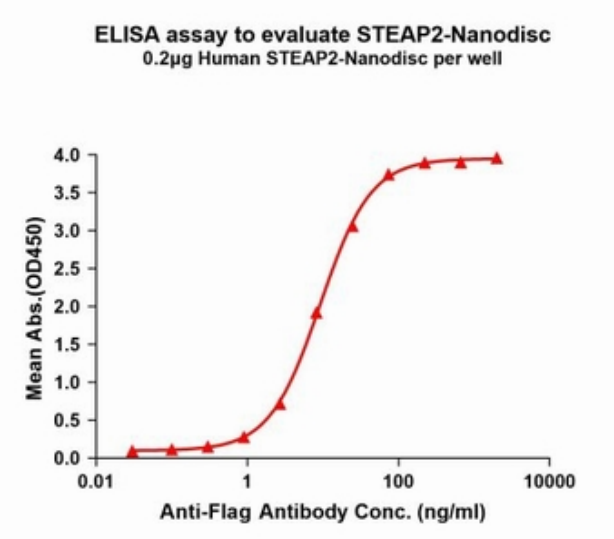

Figure1. Elisa plates were pre-coated with Flag Tag STEAP2-Nanodisc (0.2 μg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with STEAP2-Nanodisc is 9.198ng/ml.

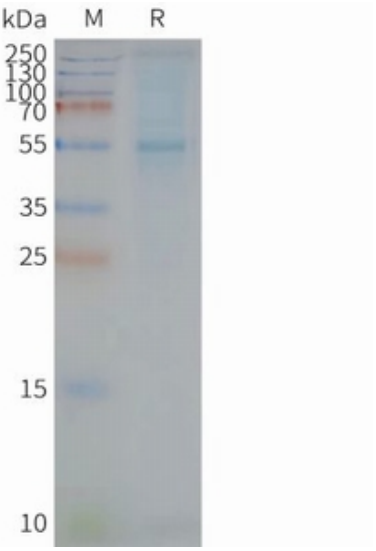

Figure2. Human STEAP2-Nanodisc, Flag Tag on SDS-PAGE