

HUMAN STEAP1 FULL LENGTH PROTEIN

目录: 11051

产品名称: Human STEAP1 Full Length Protein

规格: 10 µg, 50 µg and 100 µg

基因符号: PRSS24; STEAP

Target: STEAP1

UNIPROT ID: Q9UHE8

描述: Human STEAP1 full length protein-synthetic nanodisc

背景: STEAP1 is a cell-surface biomolecule composed by six transmembrane domains connected by intra- and extracellular loops. It is commonly found overexpressed in several types of cancers, namely in PCa, and is preferentially located at the tight or gap junctions. However, in nontumoural tissues and vital organs, STEAP1 protein presents low or absent expression, unveiling considerable specificity for cancer environment. Taking into account STEAP1 predicted transmembrane topology and cellular localization, it has been hypothesized that STEAP1 may play an important role as a transporter protein and can be involved in intercellular communication.

Species/Host: HEK293

Molecular Weight: The human full length STEAP1 protein has a MW of 39.9 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.

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.

ELISA assay to evaluate STEAP1-Nanodisc
0.2µg Human STEAP1-Nanodisc per well

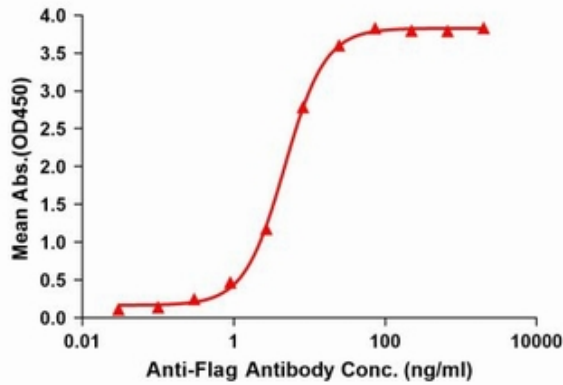


Figure1. Elisa plates were pre-coated with Flag Tag STEAP1-Nanodisc (0.2 µg/per well). Serial diluted Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for Flag monoclonal antibody binding with STEAP1-Nanodisc is 4.713ng/ml.

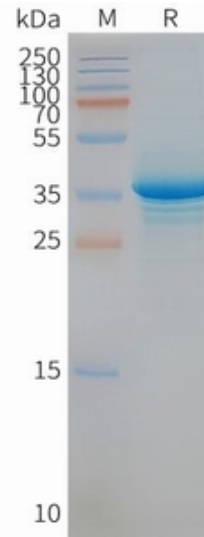


Figure2. Human STEAP1-Nanodisc, Flag Tag on SDS-PAGE