

HUMAN SSTR2 FULL LENGTH PROTEIN

Cat.#: 12228

Product Name: Human SSTR2 Full Length Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: SS-2-R; SS2-R; SS2R; SST2

Target: SSTR2

UNIPROT ID: P30874

Description: Human SSTR2 full length protein membrane nanoparticles (MNP)

Background: Somatostatin acts at many sites to inhibit the release of many hormones and other secretory proteins. The biologic effects of somatostatin are probably mediated by a family of G protein-coupled receptors that are expressed in a tissue-specific manner. SSTR2 is a member of the superfamily of receptors having seven transmembrane segments and is expressed in highest levels in cerebrum and kidney.

Species/Host: HEK293

Molecular Weight: The human full length SSTR2 Protein has a MW of 41.2 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 -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.

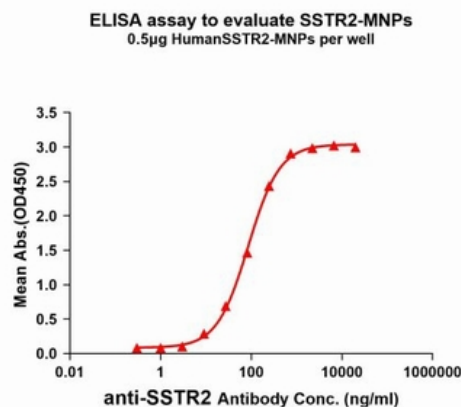


Figure1. Elisa plates were pre-coated with 0.5 µg/per well purified human SSTR2 full length membrane nanoparticles. Serial diluted anti-SSTR2 monoclonal antibody (28122) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-SSTR2 monoclonal antibody binding with SSTR2 full length membrane nanoparticles is 86.2ng/ml.

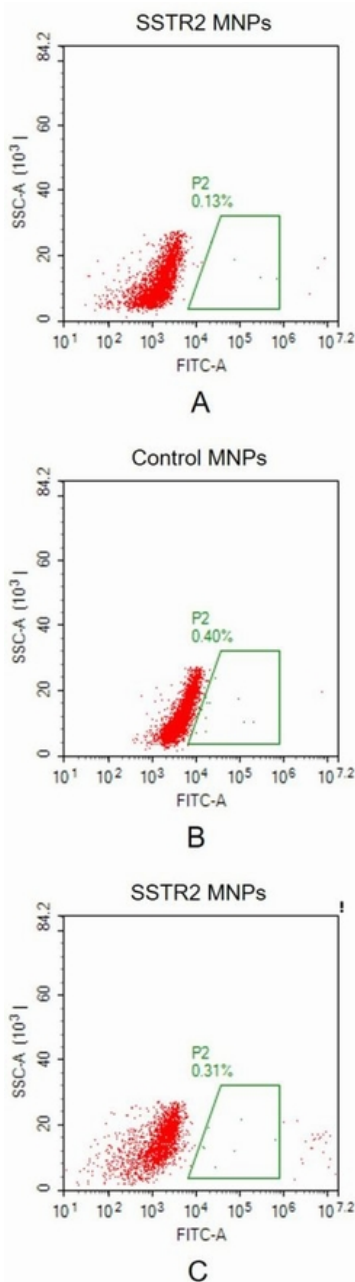


Figure2. FACS analysis of SSTR2 MNPs A. Negative Control 1: SSTR2 full length membrane nanoparticles samples were stained only with Goat anti-human IgG 488 secondary antibody. B. Negative Control 2: Control membrane nanoparticles samples were stained with anti-SSTR2 antibody (28122) at 2µg/ml, followed by Goat anti-human IgG 488 secondary antibody. C. Negative Control 3: SSTR2 full length membrane nanoparticles samples were stained with anti-GPRC5D antibody (an irrelevant antibody) at 2µg/ml, followed by Goat anti-human IgG 488 secondary antibody. D. SSTR2 full length membrane nanoparticles samples were stained with anti-SSTR2 antibody (28122) at 2µg/ml, followed by Goat anti-human IgG 488 secondary antibody.

