PRODUCT INFORMATION

Tag	C-Flag&Strep Tag
Target	SSTR2
Synonyms	SS-2-R; SS2-R; SS2R; SST2
Description	Human SSTR2-Strep full length protein-synthetic nanodisc
Delivery	In Stock
Uniprot ID	P30874
Expression Host	HEK293
Protein Families	Druggable Genome, GPCR, Transmembrane
Protein Pathways	Neuroactive ligand-receptor interaction
Molecular Weight	The human full length SSTR2-Strep 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. Please see Certificate of Analysis for
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.
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.
Usage	Research use only
Conjugate	Unconjugated

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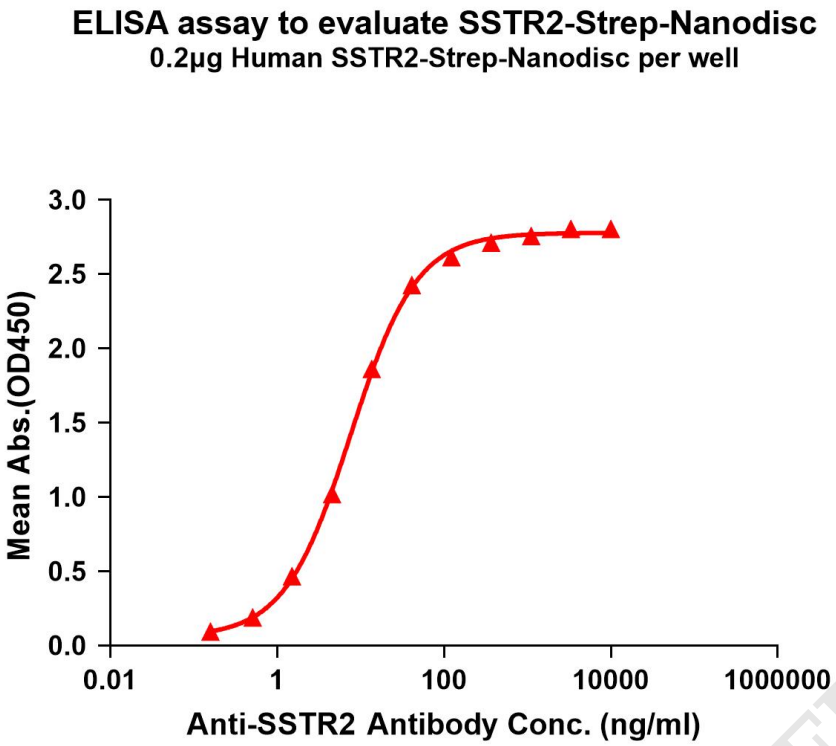

Figure 1. Elisa plates were pre-coated with C-Flag&Strep Tag SSTR2-Strep-Nanodisc (0.2μg/per well). Serial diluted anti-SSTR2 monoclonal antibody (BME100127) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-SSTR2 monoclonal antibody binding with SSTR2-Strep-Nanodisc is 7.615ng/ml.

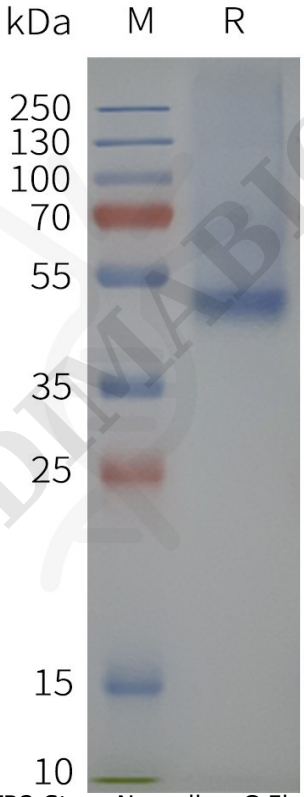

Figure 2. Human SSTR2-Strep-Nanodisc, C-Flag&Strep Tag on SDS-PAGE

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