

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 specific instructions of reconstitution.   |
| 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   |



**ELISA assay to evaluate SSTR2-Strep-Nanodisc**  
0.2µg Human SSTR2-Strep-Nanodisc per well

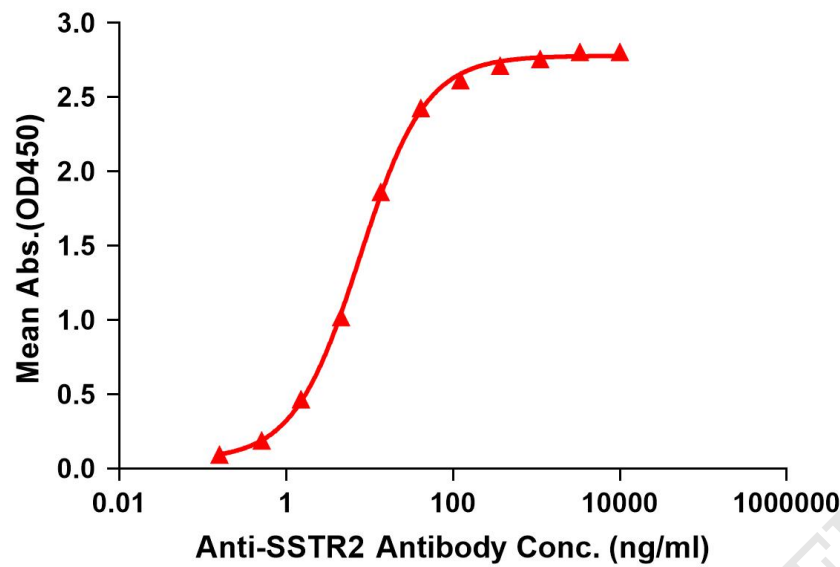


Figure 1. Elisa plates were pre-coated with C-Flag&Strep Tag SSTR2-Strep-Nanodisc (0.2µg/per well). Serial diluted anti-SSTR2 monoclonal antibody (BME100127) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-SSTR2 monoclonal antibody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



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

