

Biotinylated Human SSTR2 Protein-Nanodisc

Cat. No. STR-HM4N159B

Description

Source	Recombinant Biotinylated Human SSTR2 Protein-Nanodisc is expressed from HEK293 with His tag and Avi tag at the C-terminus. It contains Met1-Ile369.
Accession	P30874-1
Molecular Weight	The protein has a predicted MW of 44.80 kDa.
Endotoxin	Less than 1EU per μg by the LAL method.

Formulation and Storage

Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4). Notice: Not recommended for immunization.
Storage	Valid for 12 months from date of receipt when stored at -80°C . Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

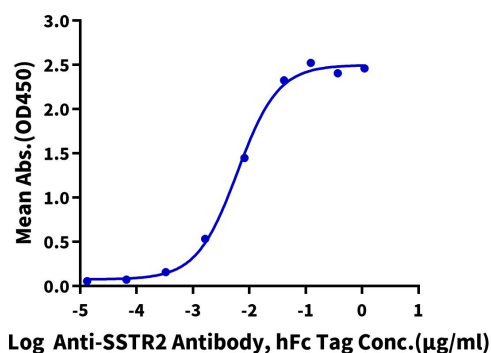
Somatostatin receptor (SSTR) 2, widely expressed in meningioma, is a G-protein-coupled receptor and can be activated by somatostatin or its synthetic analogs. SSTR2 is therefore extensively studied as a marker and target for the diagnosis and treatment of meningioma.

Assay Data

ELISA Data

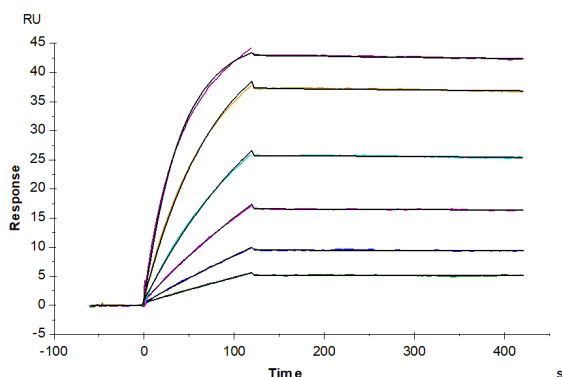
Biotinylated Human SSTR2 Nanodisc, His Tag ELISA

0.2 μg Biotinylated Human SSTR2 Nanodisc, His Tag Per Well



Immobilized Biotinylated Human SSTR2 Nanodisc, His Tag at 2 $\mu\text{g}/\text{ml}$ (100 $\mu\text{l}/\text{well}$) on the streptavidin precoated plate (5 $\mu\text{g}/\text{ml}$). Dose response curve for Anti-SSTR2 Antibody, hFc Tag with the EC50 of 6.1ng/ml determined by ELISA (QC Test).

SPR Data



Biotinylated Human SSTR2 Nanodisc, His Tag captured on CM5 Chip via Streptavidin can bind Anti-SSTR2 Antibody, hFc Tag with an affinity constant of 87.57 pM as determined in SPR assay (Biacore T200).