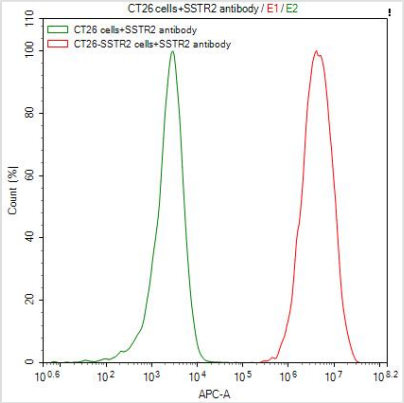
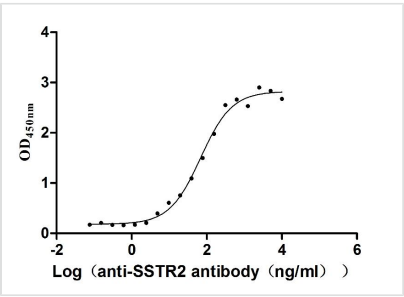
SSTR2 Recombinant Monoclonal Antibody

Product Code	CSB-RA022725MA01HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P30874
Immunogen	Recombinant Human SSTR2 protein
Species Reactivity	Human
Tested Applications	ELISA, FC; Recommended dilution: FC:1:50-1:200
Relevance	Receptor for somatostatin-14 and -28. This receptor is coupled via pertussis toxin sensitive G proteins to inhibition of adenylyl cyclase. In addition it stimulates phosphotyrosine phosphatase and PLC via pertussis toxin insensitive as well as sensitive G proteins. Inhibits calcium entry by suppressing voltage-dependent calcium channels. Acts as the functionally dominant somatostatin receptor in pancreatic alpha- and beta-cells where it mediates the inhibitory effect of somatostatin-14 on hormone secretion. Inhibits cell growth through enhancement of MAPK1 and MAPK2 phosphorylation and subsequent up-regulation of CDKN1B. Stimulates neuronal migration and axon outgrowth and may participate in neuron development and maturation during brain development. Mediates negative regulation of insulin receptor signaling through PTPN6. Inactivates SSTR3 receptor function following heterodimerization.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Purification Method	Affinity-chromatography
Isotype	hIgG1
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Neuroscience; Cancer; Metabolism
Target Names	SSTR2
Clone No.	7A9
Image	



Untransfected CT26 cells surface (green line) and transfected Human SSTR2 CT26 stable cells surface (red line) were stained with anti-SSTR2 recombinant antibody (2μg/1*10^6cells), washed and then followed by APC-conjugated anti-Human IgG Fc antibody and analyzed with flow cytometry.



The Binding Activity of Huamn SSTR2 with Anti-SSTR2 recombinant Antibody
Activity: Measured by its binding ability in a functional ELISA. Immobilized Human SSTR2 at 10 μg/mL can bind Anti-SSTR2 recombinant antibody (CSB-RA022725MA01HU), the EC_{50} is 58.13-81.28 ng/mL.

Usage For Research Use Only. Not for use in diagnostic or therapeutic procedures.