

SSTR2 recombinant antibody

SSTR2 Recombinant Monoclonal Antibody

CATALOG # AAA279022	HOST HEK293F Cell	REACTIVITY Human, Rabbit	APPLICATIONS Flow Cytometry, Functional Assay, ELISA
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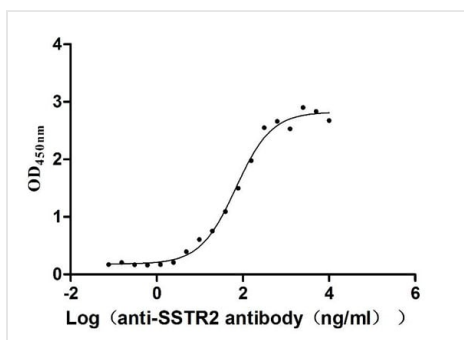
PRODUCT SYNONYMS

SSTR2; Monoclonal Recombinant Antibody; SSTR2 Recombinant Monoclonal Antibody; Somatostatin receptor type 2; SS-2-R; SS2-R; SS2R; SRIF-1; SSTR2 recombinant antibody

PRODUCT SPECIFICATIONS

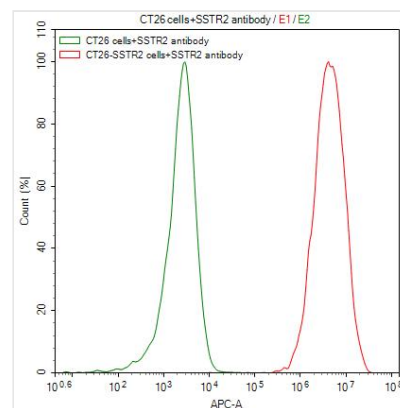
Host	HEK293F Cell
Reactivity	Human, Rabbit
Clonality	Monoclonal
Isotype	hIgG1
Clone Number	7A9
Purity/Purification	Affinity purified
Form/Format	Liquid; 0.03% Proclin 300, 50% glycerol, 0.01M PBS, pH 7.4.
Applicable Applications for SSTR2 recombinant antibody	FCM/FACS (Flow Cytometry), ELISA
Immunogen Species	Human
Immunogen	Recombinant Human SSTR2 protein
Conjugation	Non-conjugated
Research Area	Immunology
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



ELISA

The Binding Activity of Human SSTR2 with Anti-SSTR2 recombinant Antibody Activity: Measured by its binding ability in a functional ELISA. Immobilized Human SSTR2 at 10 ug/mL can bind Anti-SSTR2 recombinant antibody (AAA279022), the EC50 is 58.13-81.28 ng/mL.



FCM/FACS (Flow Cytometry)

Untransfected CT26 cells (green line) and transfected Human SSTR2 CT26 stable cells (red line) were stained with anti-SSTR2 recombinant antibody (2ug/1*10⁶cells), washed and then followed by APC-conjugated anti-Human IgG Fc antibody and analyzed with flow cytometry.

ADDITIONAL INFORMATION

Related Product Information for SSTR2 recombinant antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	401126
NCBI GeneID	6752
UniProt Accession #	P30874; Q4VBP0; Q96GE0; Q96TF2; Q9BWH1; A8K3Y0; B2R9P7
Molecular Weight	369
NCBI Official Full Name	Somatostatin receptor type 2
NCBI Official Synonym Full Names	somatostatin receptor 2
NCBI Official Symbol	SSTR2
NCBI Protein Information	somatostatin receptor type 2; SS2R; SRIF-1
UniProt Protein Name	Somatostatin receptor type 2
UniProt Gene Name	SSTR2
UniProt Synonym Gene Names	SS-2-R; SS2-R; SS2R
UniProt Entry Name	SSR2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/ssr2-recombinant-antibody-clone-7a9-flow-cytometry-elisa/279022>