Data Sheet (Cat.No.TMAH-01134)

Anti-SSTR2 Antibody (8O74)

Product Details

Ig Type:	Human IgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	8O74
Purification:	Affinity-chromatography

Applications

Verified Activity:	1. 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*10^6 cells), washed and then followed by APC-conjugated anti-Human IgG Fc antibody and analyzed with flow cytometry. 2. 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 (TMAH-01134), the EC50 is 58.13-81.28 ng/mL.
Application:	ELISA,FCM

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human SSTR2 Protein
Antigen Species:	Human
Gene ID:	6752
Uniprot ID:	P30874
Synonyms:	somatostatin receptor 2
Biology Area:	Immunology

Research Background

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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