Human Somatostatin R3/SSTR3 Alexa Fluor® 594-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 576017

Catalog Number: FAB7018T

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Somatostatin R3/SSTR3
Source	Monoclonal Mouse IgG_{2A} Clone # 576017
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human Somatostatin R3/SSTR3 Accession # P32745
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Flow Cytometry	0.25-1 µg/10^6 cells	PC-3 human prostate cancer cell line

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Protect from light. Do not freeze.** ● 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Somatostatin Receptor 3 (SSTR3) is one of five 7-transmembrane G-protein-coupled receptors for somatostatins 14 and 28. Human SSTR3 shares 80% aa identity with mouse SSTR3 within the extracellular domains. SSTR3 protein has been detected in anterior pituitary, lymphocytes, thyroid, parathyroid, stomach, small intestine, and pancreatic islets. In neurons, it is located within cilia and is implicated in object recognition memory. It is an inhibitory receptor that transduces the antiproliferative and antisecretive effects of somatostatins in the pituitary.

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bio-techne®
Global bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL +1 612 379 2956
USA TEL 800 343 7475 Canada TEL 855 668 8722 China TEL +86 (21) 52380373
Europe | Middle East | Africa TEL +44 (0)1235 529449