

Human Somatostatin R3/SSTR3 Alexa Fluor® 700-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 576017

Catalog Number: FAB7018N
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 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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. <ul style="list-style-type: none"> 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 antisecretory effects of somatostatins in the pituitary.

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