

## DESCRIPTION

|                           |  |
|---------------------------|--|
| <b>Species Reactivity</b> | Human  |
| <b>Specificity</b>        | Detects human Somatostatin R3/SSTR3  |
| <b>Source</b>             | Monoclonal Mouse IgG <sub>2A</sub> Clone # 576017  |
| <b>Purification</b>       | Protein A or G purified from hybridoma culture supernatant   |
| <b>Immunogen</b>          | NS0 mouse myeloma cell line transfected with human Somatostatin R3/SSTR3<br>Accession # P32745   |
| <b>Conjugate</b>          | Alexa Fluor 350<br>Excitation Wavelength: 346 nm<br>Emission Wavelength: 442 nm  |
| <b>Formulation</b>        | Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.<br><br>*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.

|                       | <b>Recommended Concentration</b> | <b>Sample</b>                        |
|-----------------------|----------------------------------|--------------------------------------|
| <b>Flow Cytometry</b> | 0.25-1 µg/10 <sup>6</sup> cells  | PC-3 human prostate cancer cell line |

## PREPARATION AND STORAGE

|                                |  |
|--------------------------------|--|
| <b>Shipping</b>                | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.                                  |
| <b>Stability &amp; Storage</b> | <b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul> |

## 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.

## PRODUCT SPECIFIC NOTICES

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