

DESCRIPTION

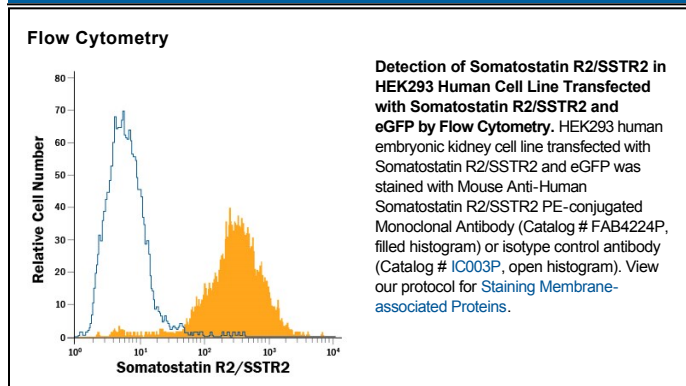
Species Reactivity	Human
Specificity	Detects human Somatostatin R2/SSTR2. Stains SSTR2 transfectants but not irrelevant transfectants in flow cytometry.
Source	Monoclonal Mouse IgG _{2A} Clone # 402038
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with Somatostatin R2/SSTR2 Met1-Ile369 Accession # P30874
Conjugate	Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 nm
Formulation	Supplied 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	10 μ L/10 ⁶ cells	See Below

DATA



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 2 (SSTR2) is one of five 7-transmembrane G-protein-coupled receptors for somatostatins 14 and 28. Human SSTR2 shares 84% aa identity with mouse SSTR2 within the extracellular domains. Isoform B (357 aa) has an alternate C-terminal cytoplasmic region that is 12 aa shorter than that of isoform A (369 aa, reported as 93 kDa). Both are expressed in brain, stomach, intestinal epithelia, pancreatic islets and kidney tubules. Isoform B is also expressed in parotid, thyroid and bronchial glands.