

DESCRIPTION

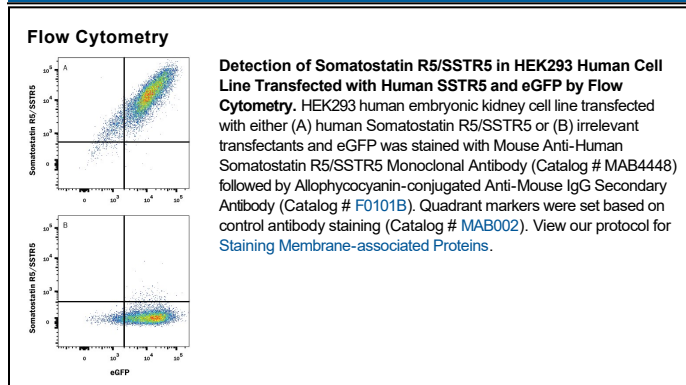
Species Reactivity	Human
Specificity	Detects human Somatostatin R5/SSTR5 in direct ELISAs. Stains Somatostatin R5/SSTR5 transfectants but not irrelevant transfectants.
Source	Monoclonal Mouse IgG ₁ Clone # 394401
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human Somatostatin R5/SSTR5 Met1-Leu364 Accession # AAK61266
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

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 µg/10 ⁶ cells	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Somatostatin Receptor type 5 (SSTR5) is one of five 7-transmembrane G-protein-coupled receptors for somatostatins 14 and 28. Within the extracellular portions, human SSTR5 shares 65% and 68% aa identity with mouse and rat SSTR5, respectively. It is expressed in adult pituitary, heart, small intestine, adrenal gland, cerebellum and fetal hypothalamus. It is an inhibitory receptor that transduces the antiproliferative and antisecretory effects of somatostatins.