

DESCRIPTION

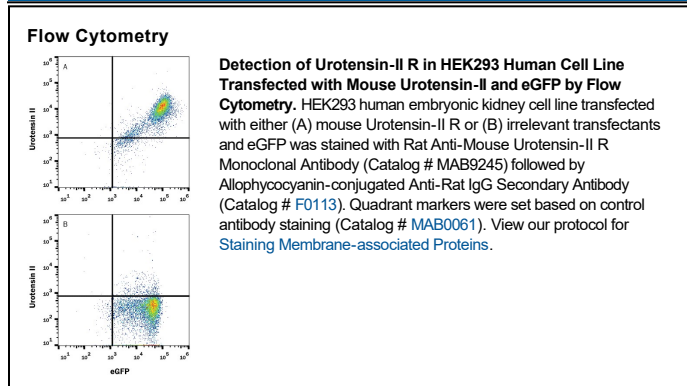
Species Reactivity	Mouse
Specificity	Detects mouse Urotensin-II R. Stains mouse Urotensin-II R transfectants but not irrelevant transfectants in flow cytometry.
Source	Monoclonal Rat IgG _{2B} Clone # 443707
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse Urotensin-II R synthetic peptide
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

Urotensin-II R (UR2R) belongs to the G protein-coupled receptor 1 family. UR2R is a high affinity receptor for urotensin-2 and urotensin-2B. The activity of UR2R is mediated by a G protein that activates a phosphatidylinositol-calcium second messenger system. It is most abundantly expressed in the heart and pancreas. Human UR2R has been correlated with cortico-adrenal carcinoma proliferation.