

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
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 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	HEK293 human embryonic kidney cell line transfected with mouse Urotensin-II R and eGFP

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

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.

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