

DESCRIPTION

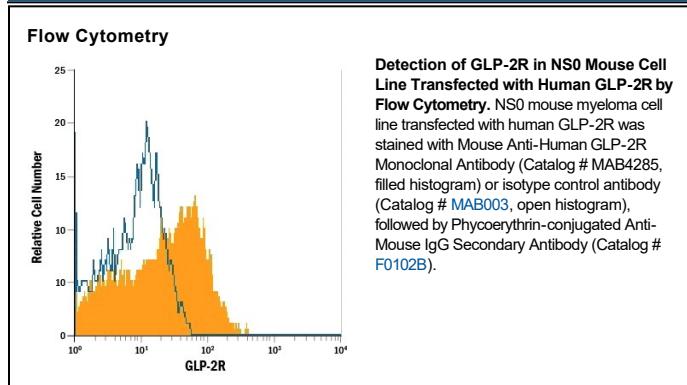
Species Reactivity	Human
Specificity	Detects human GLP-2R. Stains human GLP-2R transfectants but not irrelevant transfectants.
Source	Monoclonal Mouse IgG _{2A} Clone # 413801
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	HEK293 human embryonic kidney cell line transfected with human GLP-2R Met1-Ile553 Accession # O95838
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	2.5 µg/10 ⁶ cells	See Below
Immunocytochemistry	8-25 µg/mL	Immersion fixed HeLa human cervical epithelial carcinoma cell line
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

GLP-2R is a member of the class II glucagon-secretin G protein-coupled receptor superfamily. It is expressed on enteroendocrine cells in the gut where it mediates the positive effects of GLP2 on villus height, crypt depth and intestinal energy absorption. After stimulating a cAMP response, lipid raft-dependent internalization of GLP-2R results in rapid desensitization to GLP2. Extracellular portions of human GLP-2R show approximately 80% amino acid identity with corresponding regions of mouse GLP-2R.