

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
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	NS0 mouse myeloma cell line transfected with human GLP-2R

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.**

- 12 months from date of receipt, 2 to 8 °C as supplied.

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.

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