DESCRIPTION
Species Reactivity: Human
Specificity: Stains human GLP-1R transfectants but not irrelevant transfectants in flow cytometry.
Source: Monoclonal Mouse IgG<sub>2B</sub> Clone # 197920
Purification: Protein A or G purified from hybridoma culture supernatant
Immunogen: NS0 mouse myeloma cell line transfected with human GLP-1R
Arg<sup>24</sup>-Ser<sup>463</sup>
Accession #: NP_002053
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.

<table>
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<th>Recommended Concentration</th>
<th>Sample</th>
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<td>Flow Cytometry 0.25 μg/10&lt;sup&gt;6&lt;/sup&gt; cells</td>
<td>See Below</td>
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CyTOF-ready
Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.

DATA
Flow Cytometry
Detection of GLP-1R in HEK293 Human Cell Line Transfected with Human GLP-1R and eGFP by Flow Cytometry. HEK293 human embryonic kidney cell line transfected with human GLP-1R and eGFP was stained with and either (A) Mouse Anti-Human GLP-1R Monoclonal Antibody (Catalog # MAB2814) or (B) Mouse IgG<sub>2B</sub> Flow Cytometry Isotype Control (Catalog # MAB0041) followed by Allophycocyanin-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0101B). View our protocol for Staining Membrane-associated Proteins.

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.
- 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-1R is a class B<sub>G</sub> protein-linked seven transmembrane domain protein that is expressed in pancreas, lung, heart, kidney, hypothalamus, and stomach. GLP-1R functions as a receptor for glucagon-like peptide 1 and regulates insulin and glucagon production.