



**BMA BIOMEDICALS**

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**Monoclonal Antibody To Human GLP-1R**  
**Glucagon-like Peptide-1 Receptor; UniProt: P43220**

Glucagon-like peptide 1 receptor belongs to the G-protein coupled receptor 2 family. The mature protein is made up of 440 amino acids with four disulfide bonds and three N-linked glycosylation sites. Glucagon-like peptide-1 (GLP-1) is a peptide hormone that functions as a messenger between various organs and tissues involved in glucose metabolism, and controls nutrient ingestion. Important sources for GLP-1 include the intestine and brain stem and hypothalamus, while the receptor (GLP-1R) is prominently expressed in pancreas, areas of the brain such as the hypothalamus, and peripheral nerves.

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**Product number: T-1236**

**Clone: 1H4**

**Lot: 02PO1810**

**TECHNICAL AND ANALYTICAL CHARACTERISTICS:**

<b>Host species; subclass:</b>	Mouse IgG1, kappa light chain
<b>Quantity:</b>	100µg
<b>Purification / Physical State:</b>	Protein G purified, lyophilized
<b>Format:</b>	Affinity purified from serum-free cell culture supernatant, lyophilized. Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.2mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 6mg/ml bovine serum albumin (BSA) as a stabilizer and 0.05% Kathon as a preservative.
<b>Storage and stability:</b>	Original vial with lyophilized antibody is stable for 1 year from date of despatch. Aliquots of stock solution can be kept frozen at -20°C for two years from date of reconstitution; do not freeze working dilutions.
<b>Approximate working dilution:</b>	optimal dilution should be tested by serial dilution.
Immune Histochemistry:	2µg/ml (1:100)
Fixation:	Formalin / Paraffin (pretreatment with microwave required, see protocol under <a href="http://www.bma.ch">www.bma.ch</a> )
<b>Suggested positive control:</b>	pancreas / adrenal
<b>Immunogen:</b>	DNA vaccine.
<b>Antigen, epitope:</b>	The specificity of the antibody was verified by flow cytometry with cells expressing the recombinant protein. The epitope has not been further characterized. For an illustration of the expression pattern please go to <a href="http://www.bma.ch">www.bma.ch</a> .

This product contains Kathon as a preservative and is for research only. Purchase price does not include authorization to reverse engineer any part thereof, nor to use it in diagnostic or therapeutic applications.

T-1236

1H4

04.10.2018