Genomeditech (Shanghai) Co.,Ltd.
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# Anti-H_GLP1R hIgG1 Antibody（glutazumab）

## Product information

| | |
|---|---|
| GM-84914AB-10 | 10 μg |
| GM-84914AB -100 | 100 μg |
| GM-84914AB -1000 | 1 mg |

## Antibody Information

| | |
|---|---|
| Species Reactivity | Human;Cynomolgus;Mouse |
| Clone | glutazumab |
| Source/Isotype | Monoclonal human IgG1/κ |
| Application | Flow cytometry |
| Specificity | Detects GLP1R |
| Gene | GLP1R |
| Other Names | Glip; GLP-1; GLP-1-R; GLP-1R; GLP1R; Glpr; RATGL1RCP |
| Gene ID | P43220 (Human ); F8V479 (cynomolgus); O35659 (Mouse) |
| Background | GLP-1R is a receptor protein found on pancreatic cells and brain neurons. It is a member of the glucagon receptor family of G-protein-coupled receptors. GLP-1R is a pleiotropic coupled receptor, N-terminal recognition specific ligand that regulates cellular pathways by coupling to a variety of G proteins (Gαs, Gαi, GαO, and Gαq/11). After binding with GLP-1, the α subunit of G protein is dissociated from β and γ subunits, and the Gαs protein is coupled to activate adenosine cyclase (cAMP), promote the increase of cAMP content in cells and protein kinase A (PKA) content, activate the downstream signaling pathway, and cause the increase of insulin gene transcription. |
| Storage | Store at 2-8℃ short term (1-2 weeks).Store at ≤ -20℃ long term. Avoid repeated freeze-thaw. |
| Formulation | Phosphate-buffered solution, pH 7.2. |
| Endotoxin | < 1 EU/mg, determined by LAL gel clotting assay |

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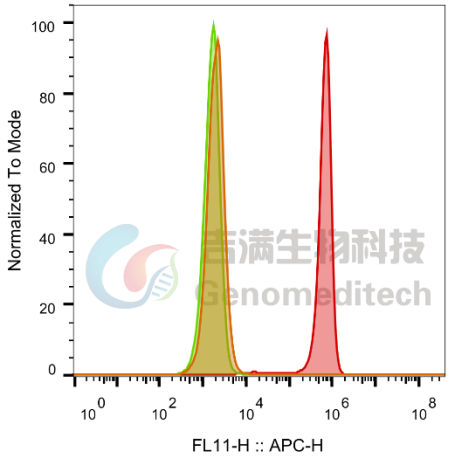
## Data Examples

Flow cytometry

The recommended usage range is 0.5-4 μg per test. H_GLP1R HEK-293 Cell Line (Catalog # GM-C35007) was stained with Anti-H_GLP1R hIgG1 Antibody（glutazumab） (Catalog # GM-84914AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody .

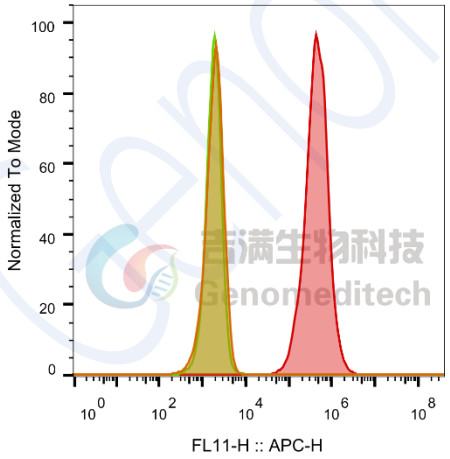



| | SampleID | Geometric Mean : FL11-H |
|---|---|---|
| | HEK-293 anti-GLP1R+APC-2nd Ab | 1983 |
| | HEK-293 H_GLP1R H_IgG+APC-2nd Ab | 1604 |
| | HEK-293 H_GLP1R anti-GLP1R+APC-2nd Ab | 5.91E5 |

Fig. FACS

Flow cytometry

The recommended usage range is 0.5-4 μg per test. H_GLP1R CHO-K1 Cell Line (Catalog # GM-C33299) was stained with Anti-H_GLP1R hIgG1 Antibody（glutazumab） (Catalog # GM-84914AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody .

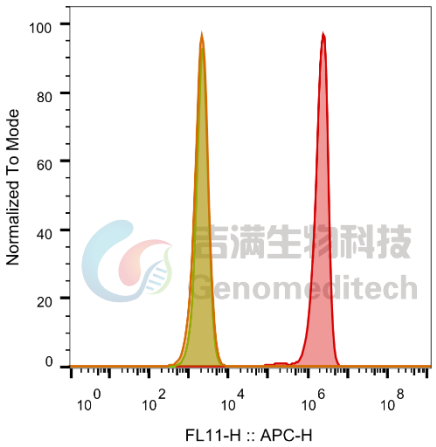



| | SampleID | Geometric Mean : FL11-H |
|---|---|---|
| | CHO-K1 anti-GLP1R+APC-2nd Ab | 1867 |
| | CHO-K1 H_GLP1R H_IgG+APC-2nd Ab | 1810 |
| | CHO-K1 H_GLP1R anti-GLP1R+APC-2nd Ab | 4.30E5 |

Fig. FACS

Flow cytometry

The recommended usage range is 0.5-4 μg per test. Mouse_GLP1R HEK-293 Cell Line (Catalog # GM- C35010) was stained with Anti-H_GLP1R hIgG1 Antibody（glutazumab）(Catalog # GM-84914AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody .

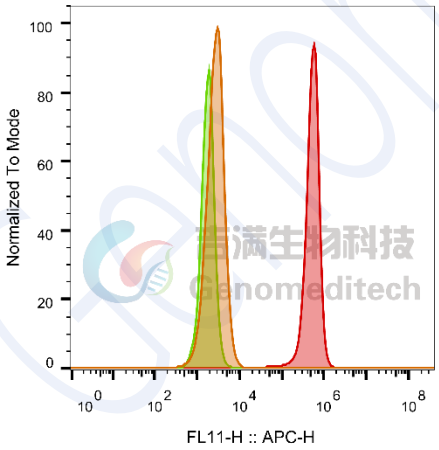



| | SampleID | Geometric Mean : FL11-H |
|---|---|---|
| | HEK-293 anti-GLP1R+APC-2nd Ab | 2076 |
| | HEK-293 Mouse_GLP1R H_IgG+APC-2nd Ab | 2193 |
| | HEK-293 Mouse_GLP1R anti-GLP1R+APC-2nd Ab | 2.04E6 |

Fig. FACS

Flow cytometry

The recommended usage range is 0.5-4 μg per test. Cynomolgus_GLP1R HEK-293 Cell Line (Catalog # GM-C35008) was stained with Anti-H_GLP1R hIgG1 Antibody（glutazumab）(Catalog # GM-84914AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody .




| | SampleID | Geometric Mean : FL11-H |
|---|---|---|
| | HEK-293 anti-GLP1R+APC-2nd Ab | 2645 |
| | HEK-293 Cyno_GLP1R H_IgG+APC-2nd Ab | 1802 |
| | HEK-293 Cyno_GLP1R anti-GLP1R+APC-2nd Ab | 5.07E5 |

Fig. FACS