

Anti-H_GCGR hIgG2 Antibody(volagidemab)

Product information

GM-84555AB-10	10 µg
GM-84555AB-100	100 µg
GM-84555AB-1000	1 mg

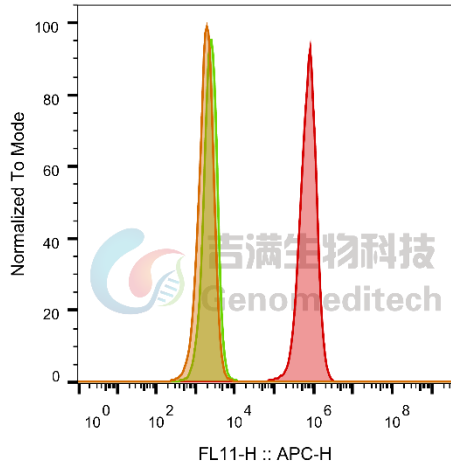
Antibody Information

Species Reactivity	Human; Mouse; Cynomolgus
Clone	volagidemab
Source/Isotype	Monoclonal human IgG2, κ
Application	Flow cytometry
Specificity	Detects GCGR
Gene	GCGR
Other Names	Glucagon R, GCGR, Glucagon receptor
Gene ID	2642(Human);14527 (Mouse); 102133101 (Cynomolgus)
Background	The Glucagon Receptor (GCGR) is a G protein-coupled receptor primarily expressed in the liver, kidney, and intestines. It serves as the receptor for glucagon, activating the adenylate cyclase pathway to promote glycogen breakdown and gluconeogenesis in the liver, thereby raising blood glucose levels. In recent years, research on GCGR has been increasing, including the development of GCGR agonists or antagonists to regulate blood glucose levels, exploring the role of GCGR in insulin resistance, fat metabolism, and appetite regulation, among others.
Storage	Store at 2-8°C short term (1-2 weeks). Store at ≤ -20°C long term. Avoid repeated freeze-thaw.
Formulation	Phosphate-buffered solution, pH 7.2.
Endotoxin	< 1 EU/mg, determined by LAL gel clotting assay

Data Examples

Flow cytometry

H_GCGR CHO-K1 Cell Line (Catalog # GM-C35726) was stained with Anti-H_GCGR hlgG2 Antibody(volagidemab) (Catalog # GM-84555AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.

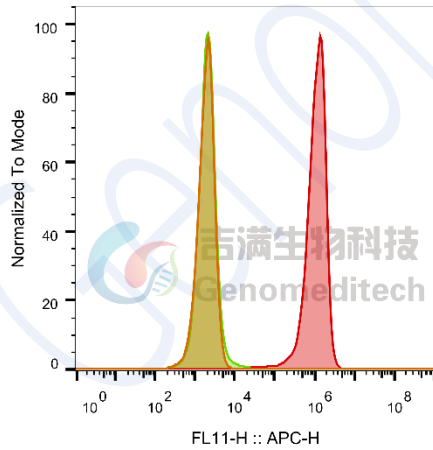


SampleID	Geometric Mean : FL11-H
CHO-K1 anti-GCGR+APC-2nd Ab	1839
CHO-K1 H_GCGR H_IgG+APC-2nd Ab	2414
CHO-K1 H_GCGR anti-GCGR+APC-2nd Ab	6.80E5

Fig. FACS

Flow cytometry

Mouse_GCGR HEK-293 Cell Line(Catalog #GM-C35727) was stained with Anti-H_GCGR hlgG2 Antibody(volagidemab) (Catalog # GM-84555AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.

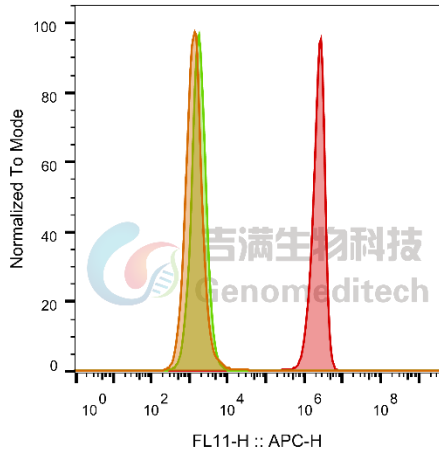


SampleID	Geometric Mean : FL11-H
HEK-293 anti-GCGR+APC-2nd Ab	1881
HEK-293 Mouse_GCGR H_IgG+APC-2nd Ab	2030
HEK-293 Mouse_GCGR anti-GCGR+APC-2nd Ab	1.02E6

Fig. FACS

Flow cytometry

Cynomolgus_GCGR HEK-293 Cell Line (Catalog #GM-C35900) was stained with Anti-H_GCGR hlgG2 Antibody(volagidemab) (Catalog # GM-84555AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.



SampleID	Geometric Mean : FL11-H
HEK-293 anti-GCGR+APC-2nd Ab	1387
HEK-293 Cyno_GCGR H_IgG+APC-2nd Ab	1771
HEK-293 Cyno_GCGR anti-GCGR+APC-2nd Ab	2.23E6

Fig. FACS